


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER FD 5-30-2-2				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134				
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') TRACY RICHENS						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-545-2535				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO BOX 722, FORT DUCHESNE, UT 84026						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1886 FNL 686 FWL		SWNW	30	2.0 S	2.0 E	U		
Top of Uppermost Producing Zone		1886 FNL 686 FWL		SWNW	30	2.0 S	2.0 E	U		
At Total Depth		1886 FNL 686 FWL		SWNW	30	2.0 S	2.0 E	U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 686			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1432			26. PROPOSED DEPTH MD: 9917 TVD: 9917				
27. ELEVATION - GROUND LEVEL 5075			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.7	No Used	0	0.0	0.0
SURF	12.25	8.625	0 - 1200	36.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown	170	3.16	11.0
							Halliburton Premium , Type Unknown	270	1.36	14.8
PROD	7.875	5.5	0 - 9917	17.0	I-80 LT&C	9.5	Unknown	840	2.31	11.0
							Unknown	330	1.42	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Brady Riley				TITLE Permit Analyst			PHONE 303 312-8115			
SIGNATURE				DATE 02/10/2014			EMAIL briley@billbarrettcorp.com			
API NUMBER ASSIGNED 43047542960000				APPROVAL  Permit Manager						

BILL BARRETT CORPORATION

DRILLING PLAN

FD 5-30-2-2

SWNW, LOT 2, 1886' FNL and 686' FWL, Section 30, T2S-R2E, USB&M (surface hole)

SWNW, LOT 2, 1886' FNL and 686' FWL, Section 30, T2S-R2E, USB&M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD/TVD</u>
Green River	5,725'
Mahogany	6,834'
Lower Green River*	7,984'
Douglas Creek	8,162'
Black Shale	8,645'
Castle Peak	8,752'
Wasatch*	9,417'
TD	9,917'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 4,036'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1200'	Rotating Head or Diverter (may pre-set 8-5/8" with smaller rig)*
1200' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

*See Appendix A

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1200'	8 5/8"	24#	J-55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110/I-80	LT&C	New

Bill Barrett Corporation
Drilling Program
FD 5-30-2-2
Uintah County, Utah

5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing (may pre-set with spudder rig)	Lead: 170 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 270 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 700'
5 1/2" Production Casing	Lead: 840 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 700' Tail: 330 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 8145'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 1200'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1200' - 5500'	9.2 - 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
5500' – TD	9.4 - 9.5	42 – 58	25 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4899 psi* and maximum anticipated surface pressure equals approximately 2717 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation
Drilling Program
FD 5-30-2-2
Uintah County, Utah

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be from:

43-2505, (t37379): McKinnon Ranch Properties, LC
43-12345 (F78949): Dale Anderson
43-10664 (A38472): W. E. Gene Brown
49-1645 (A35800): RN Industries, Inc.
49-2336 (t78808): RN Industries, Inc.
43-8496 (A53617): A-1 Tank Rental
43-10288 (A65273): Nile Chapman (RNI)
49-2247 (F76893): Magnum Water Service
43-8875 (t38762): Four Star Ranch (c/o David Yeman)

11. Drilling Schedule

Location Construction: May 2014
Spud: May 2014
Duration: 15 days drilling time
6 days completion time

12. Appendix A

8-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line on the rig
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits



Bill Barrett Corporation

FORT DUCHESNE CEMENT VOLUMES

Well Name: FD 5-30-2-2

Surface Hole Data:

Total Depth:	1,200'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	8.625"

Calculated Data:

Lead Volume:	505.6	ft ³
Lead Fill:	700'	
Tail Volume:	361.1	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	170
--------------	-----

Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	700'	

# SK's Tail:	270
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Production Hole Data:

Total Depth:	9,917'
Top of Cement:	700'
Top of Tail:	8,145'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1934.8	ft ³
Lead Fill:	7,445'	
Tail Volume:	460.6	ft ³
Tail Fill:	1,772'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	840
# SK's Tail:	330

FD 5-30-2-2 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>		
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	700'	
	Volume:	90.04	bbl
	Proposed Sacks:	170	sks
Tail Cement - (TD - 700')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	700'	
	Calculated Fill:	500'	
	Volume:	64.32	bbl
	Proposed Sacks:	270	sks

<u>Job Recommendation</u>	<u>Production Casing</u>		
Lead Cement - (8145' - 700')			
Tuned Light™ System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft³/sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	700'	
	Calculated Fill:	7,445'	
	Volume:	344.58	bbl
	Proposed Sacks:	840	sks
Tail Cement - (9917' - 8145')			
Econocem™ System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft³/sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	8,145'	
	Calculated Fill:	1,772'	
	Volume:	82.02	bbl
	Proposed Sacks:	330	sks

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

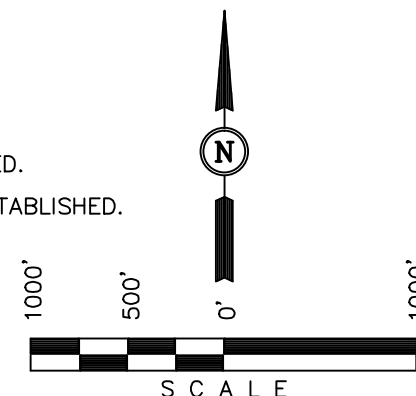
CONFIDENTIAL

Well location, FD #5-30-2-2, located as shown in Lot 2 of Section 30, T2S, R2E, U.S.B.&M., Uintah County, Utah.

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, Uintah County, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

L = 90° SYMBOL
 ● = PROPOSED WELL HEAD.
 ▲ = SECTION CORNERS LOCATED.
 △ = SECTION CORNERS RE-ESTABLISHED.
 (Not Set on Ground.)



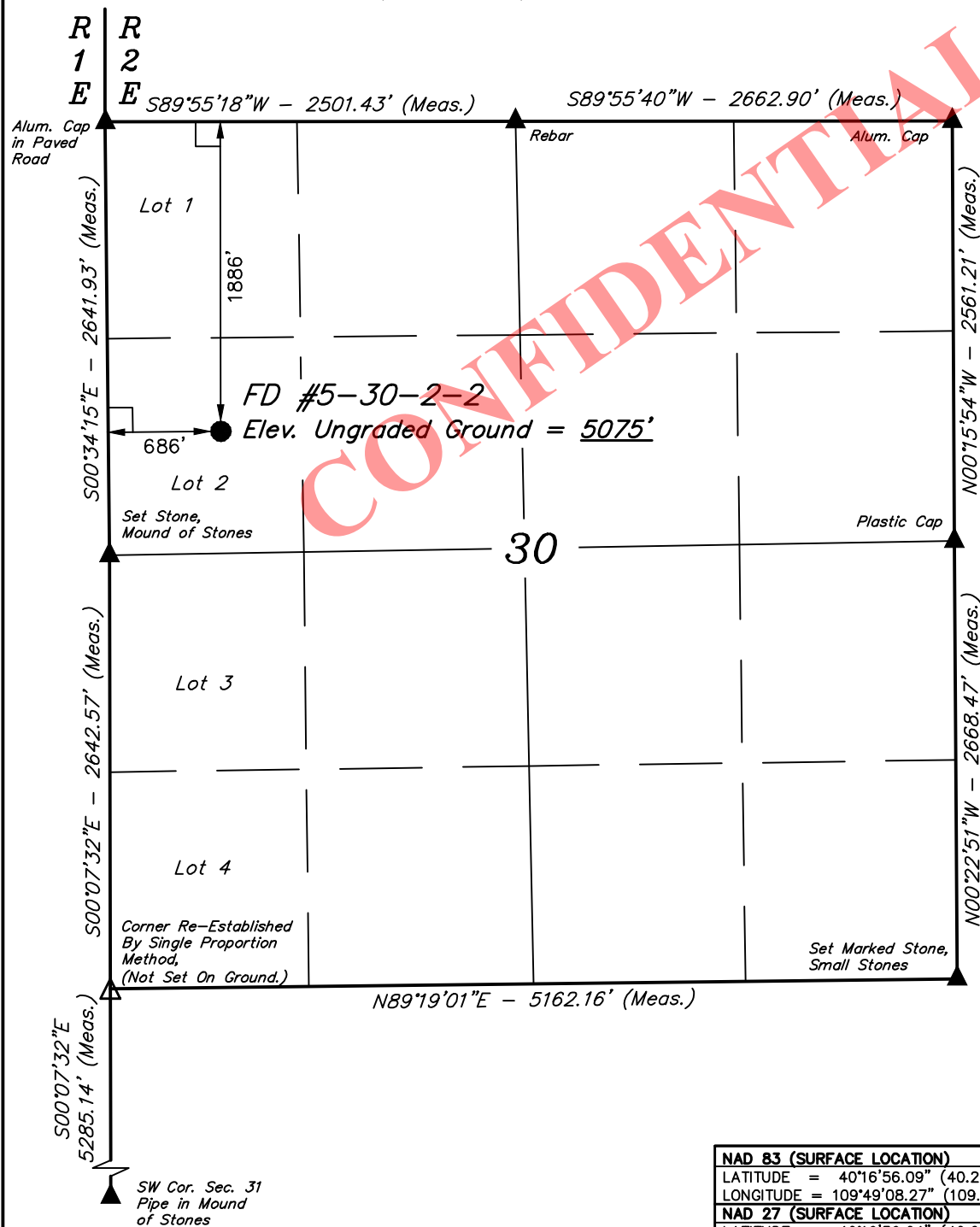
THIS IS TO CERTIFY THAT THE ABOVE PART WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 11-05-13	DATE DRAWN: 11-18-13
PARTY T.A. J.L. C.A.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

RECEIVED: February 10, 2014



NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°16'56.09" (40.282247)
LONGITUDE	= 109°49'08.27" (109.818964)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 40°16'56.24" (40.282289)
LONGITUDE	= 109°49'05.75" (109.818264)

BILL BARRETT CORPORATION

FD #5-30-2-2

LOCATED IN UINTAH COUNTY, UTAH
SECTION 30, T2S, R2E, U.S.B.&M.

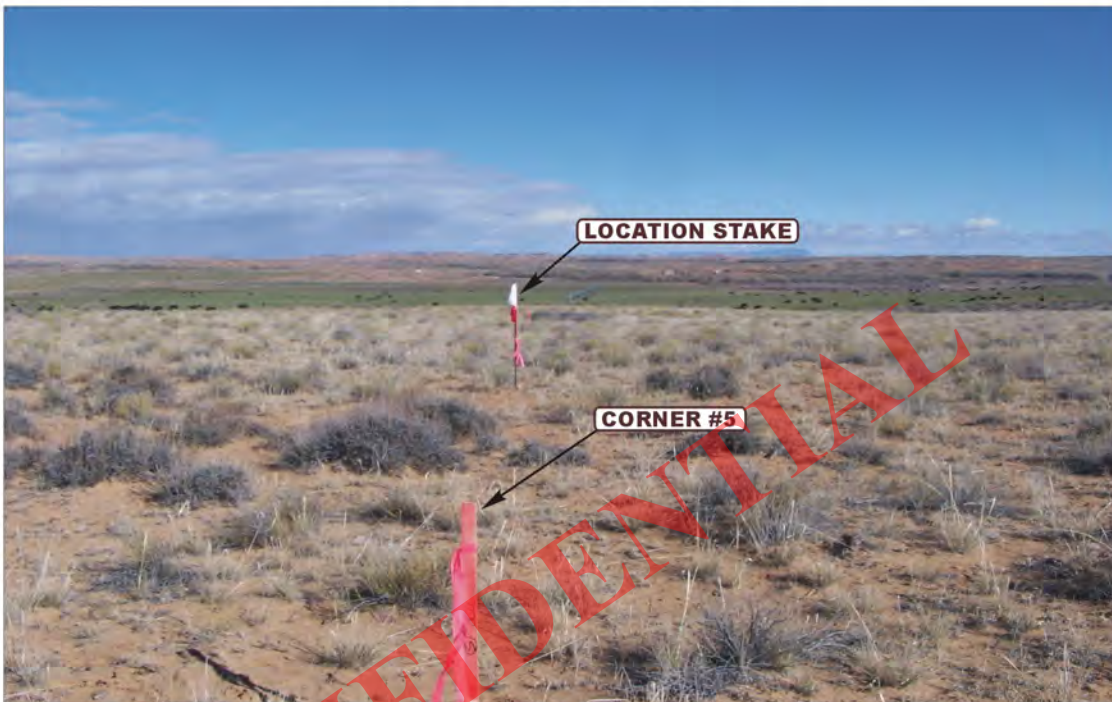


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

**U
E
L
S**

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

11 **08** **13**
MONTH DAY YEAR

PHOTO

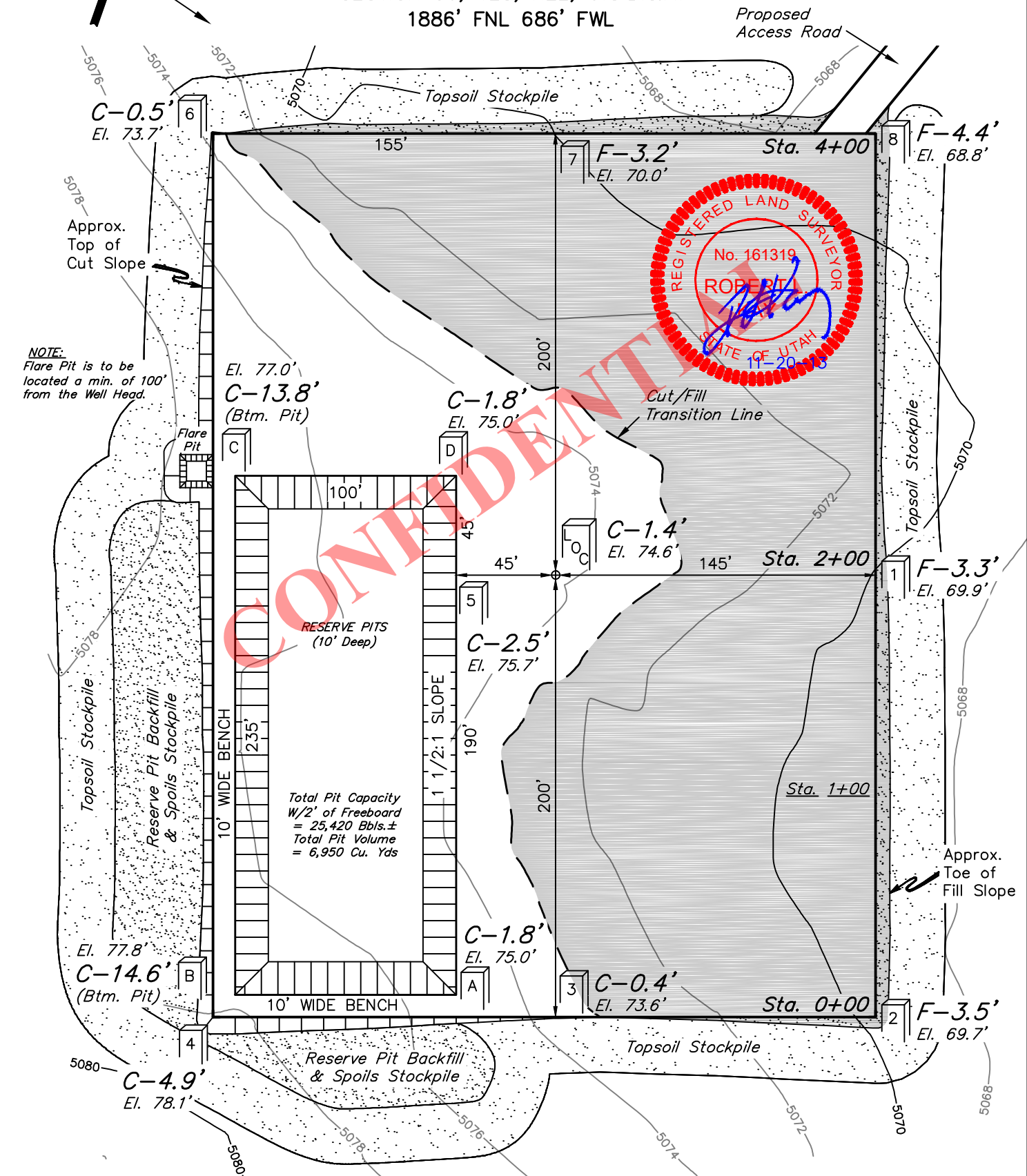
TAKEN BY: T.A.

DRAWN BY: L.S.

REVISED: 00-00-00

FD #5-30-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
1886' FNL 686' FWL

SCALE: 1" = 60'
DATE: 11-18-13
DRAWN BY: C.A.G.



Elev. Ungraded Ground At Loc. Stake = 5074.6'
FINISHED GRADE ELEV. AT LOC. STAKE = 5073.2'

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BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

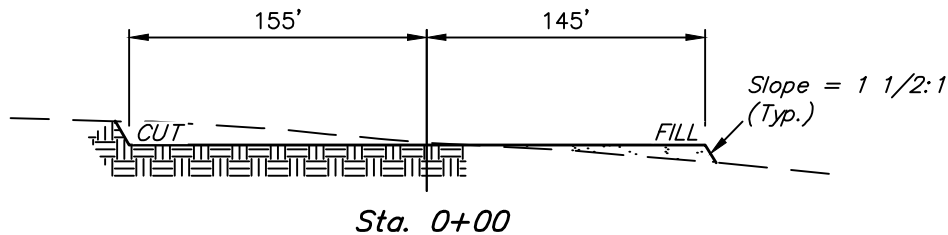
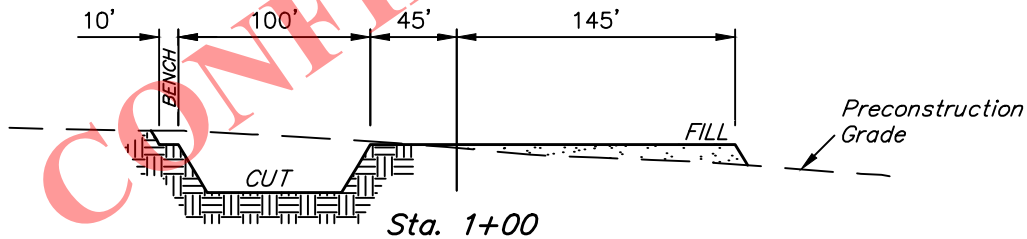
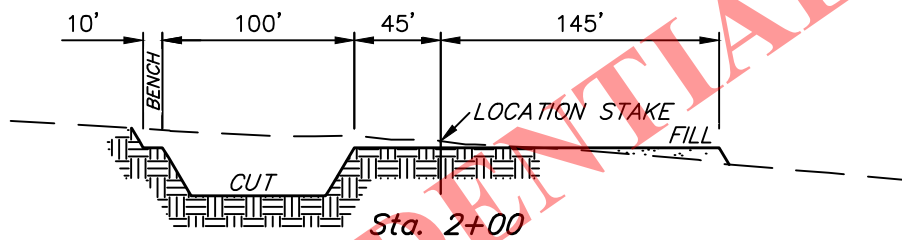
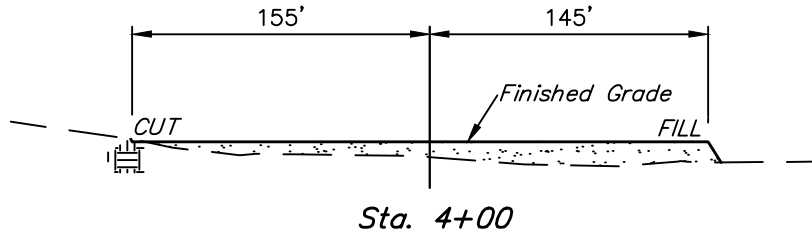
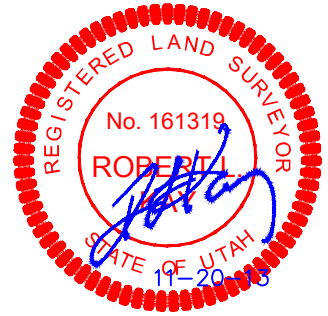
FD #5-30-2-2

SECTION 30, T2S, R2E, U.S.B.&M.

1886' FNL 686' FWL

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'
DATE: 11-18-13
DRAWN BY: C.A.G.

**NOTE:**

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGE

WELL SITE DISTURBANCE = ± 5.269 ACRES
ACCESS ROAD DISTURBANCE = ± 0.286 ACRES
PIPELINE DISTURBANCE = ± 0.370 ACRES
TOTAL = ± 5.925 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,360 Cu. Yds.
Remaining Location = 10,060 Cu. Yds.
TOTAL CUT = 12,420 CU. YDS.
FILL = 6,580 CU. YDS.

EXCESS MATERIAL = 5,840 Cu. Yds.
Topsoil & Pit Backfill = 5,840 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

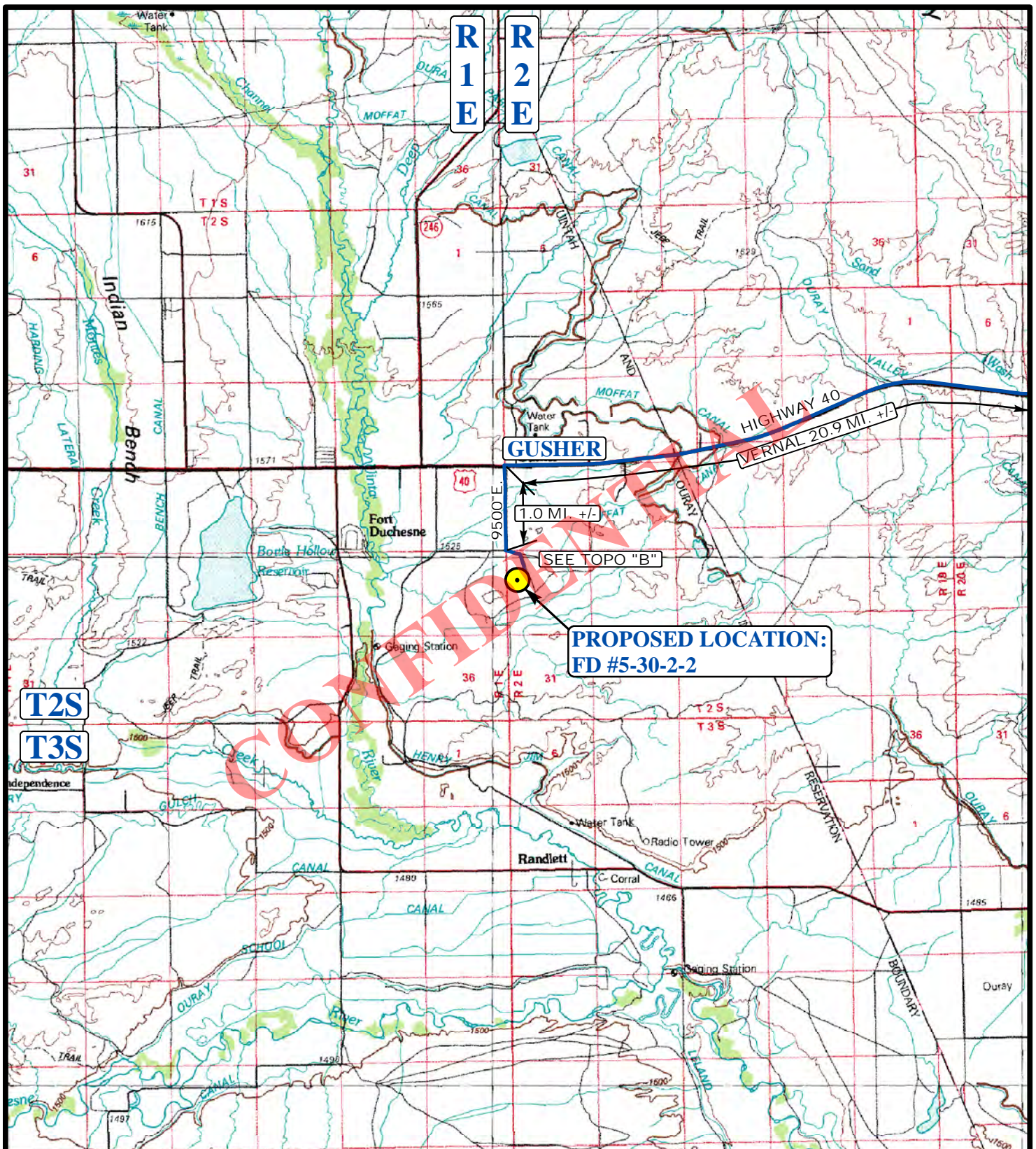
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BILL BARRETT CORPORATION
FD #5-30-2-2
SECTION 30, T2S, R2E, U.S.B.&M.

PROCEED IN A WESTERLY, THEN SOUTHWESTERLY, THEN WESTERLY DIRECTION FROM VERNAL, UTAH ALONG HIGHWAY 40 APPROXIMATELY 20.9 MILES TO THE JUNCTION OF THIS ROAD AND 9500 EAST TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 487' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 22.4 MILES.

**LEGEND:**

 **PROPOSED LOCATION**

BILL BARRETT CORPORATION**FD #5-30-2-2****SECTION 30, T2S, R2E, U.S.B.&M.****1886' FNL 686' FWL****Uintah Engineering & Land Surveying**

85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



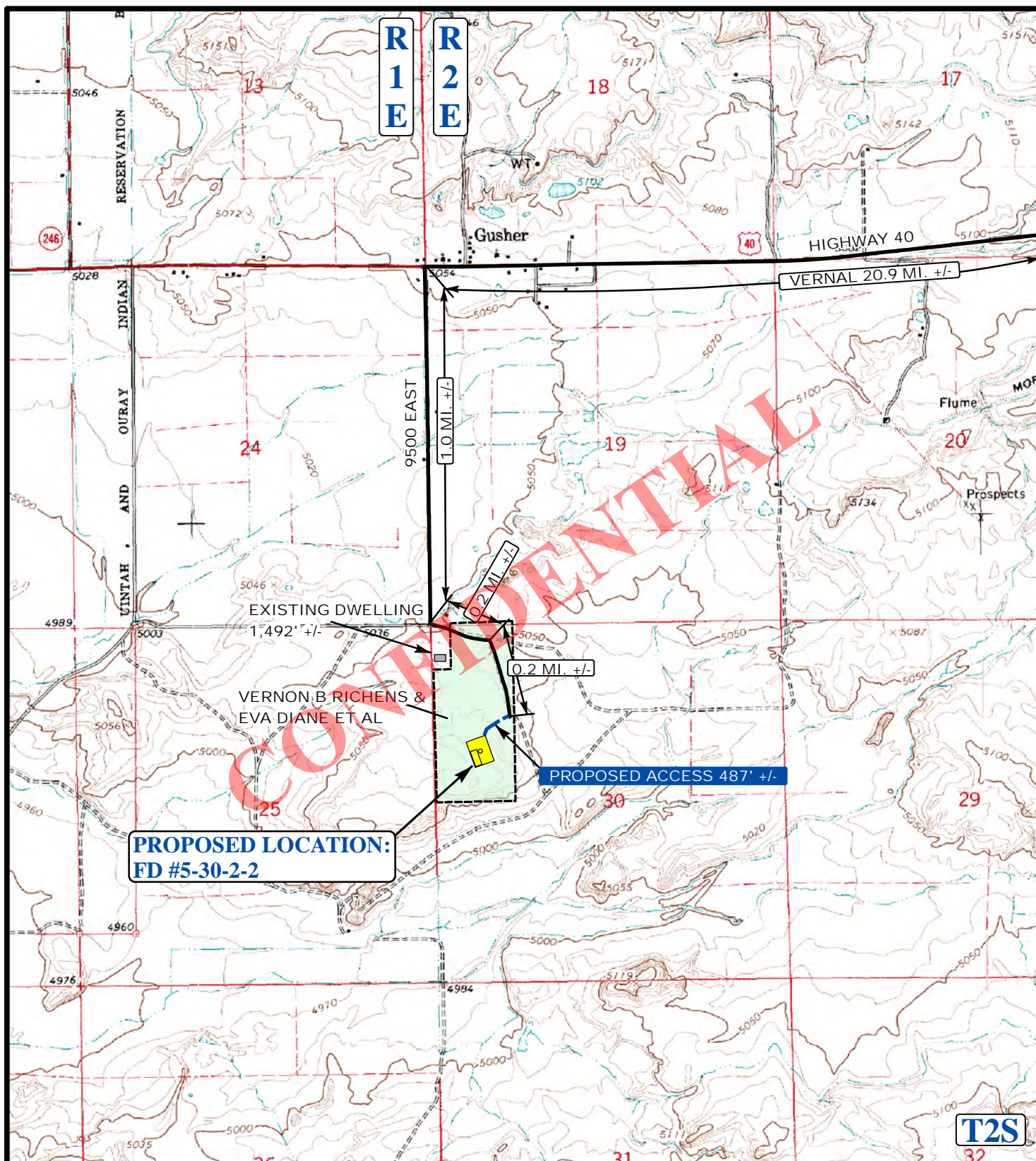
**ACCESS ROAD
MAP**

11 08 13
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: L.S. REVISED: 00-00-00



RECEIVED: February 10, 2014

**LEGEND:**

— EXISTING ROADS
 - - - PROPOSED ACCESS ROAD

BILL BARRETT CORPORATION

FD #5-30-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
1886' FNL 686' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



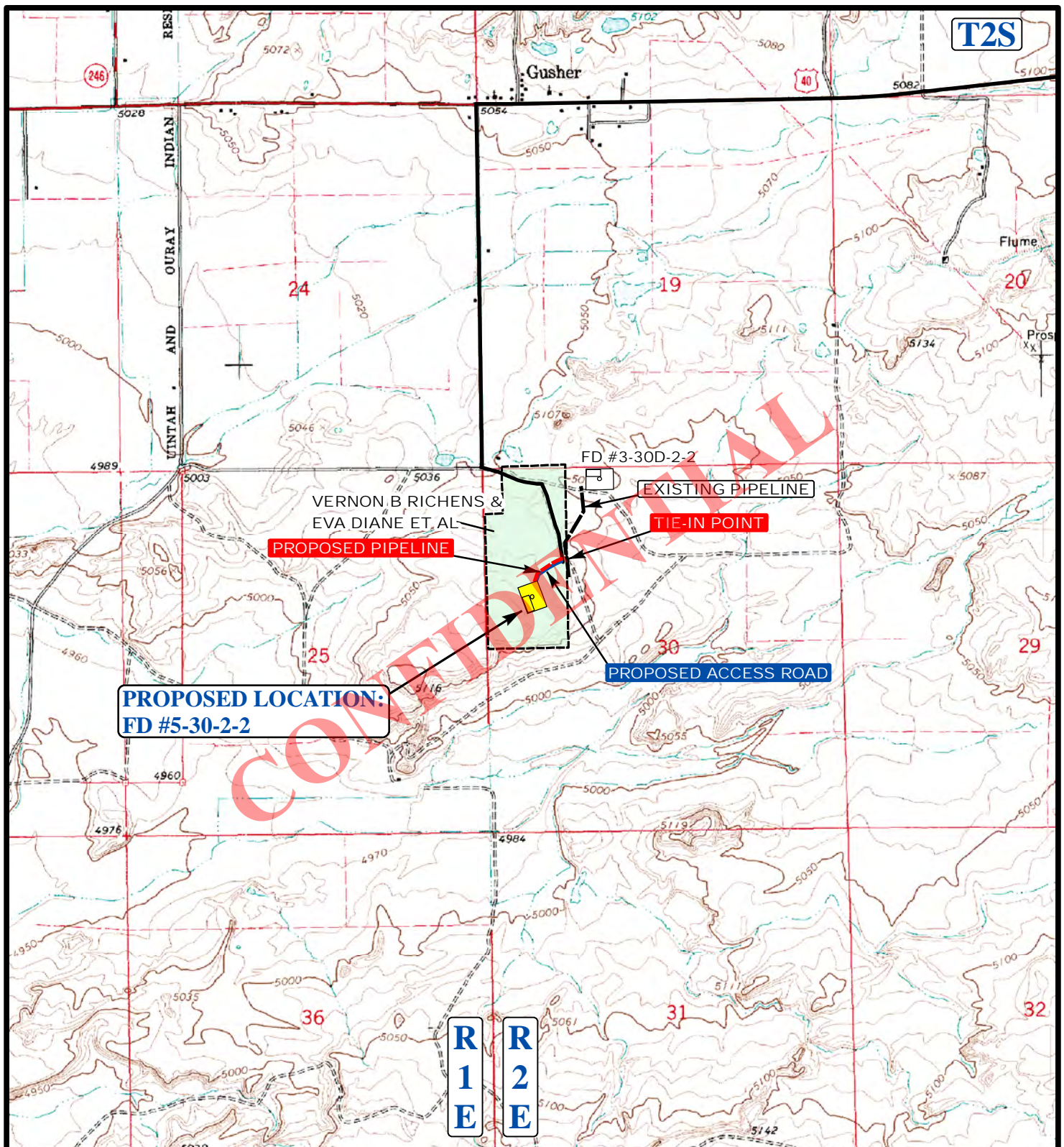
ACCESS ROAD
MAP

11 08 13
 MONTH DAY YEAR

SCALE: 1"=2000' DRAWN BY: L.S. REVISED: 00-00-00

B
TOPO

RECEIVED: February 10, 2014



APPROXIMATE TOTAL PIPELINE DISTANCE = 611' +/-

LEGEND:

- EXISTING ROADS
- PROPOSED ACCESS ROAD
- PROPOSED PIPELINE
- EXISTING PIPELINE



BILL BARRETT CORPORATION

FD #5-30-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
1886' FNL 686' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

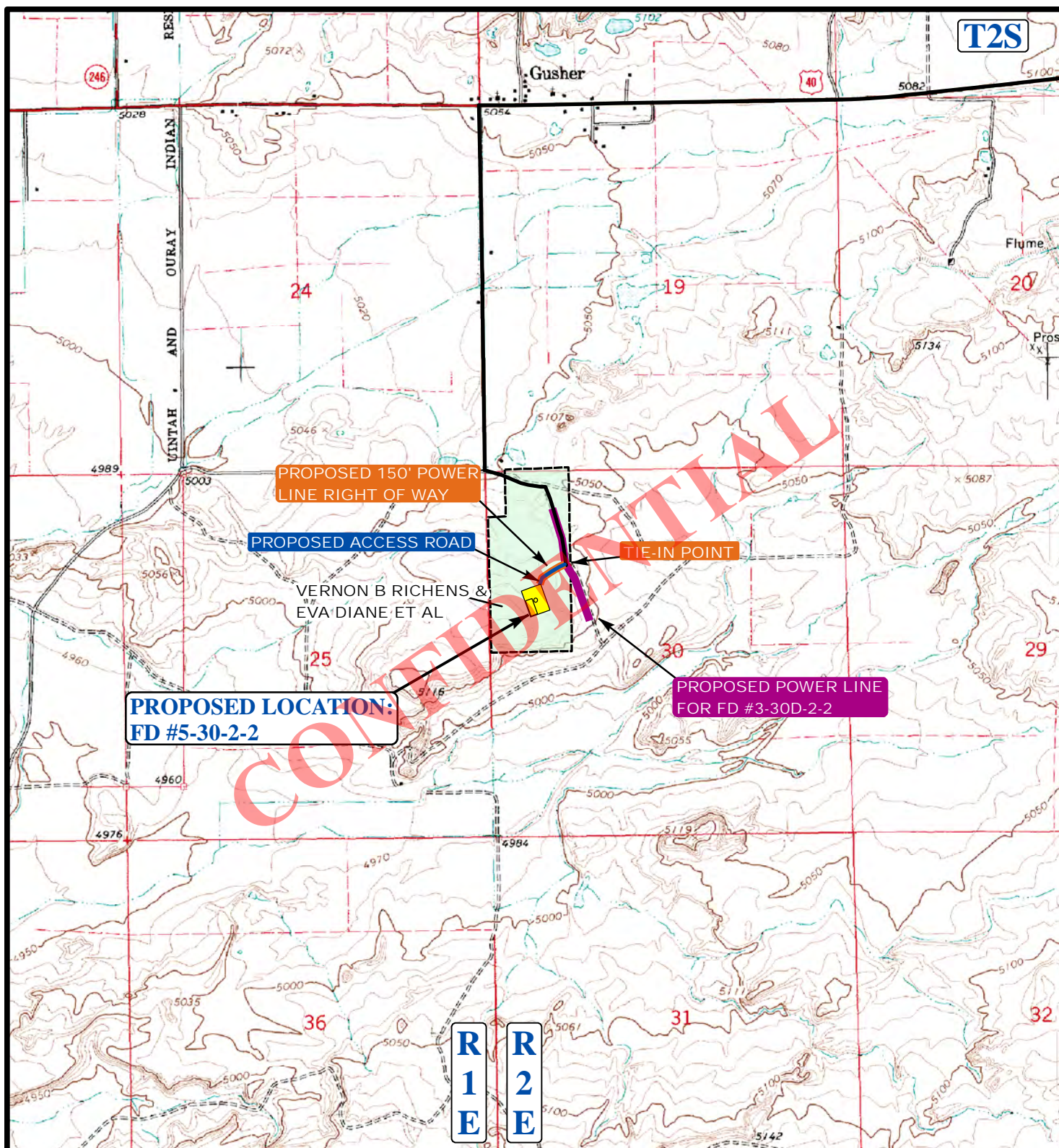
TOPOGRAPHIC
MAP

11 08 13
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.S. REVISED: 00-00-00



RECEIVED: February 10, 2014



APPROXIMATE TOTAL POWER LINE DISTANCE = 501' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- PROPOSED POWER LINE
- SERVICING OTHER WELLS



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



BILL BARRETT CORPORATION

FD #5-30-2-2
SECTION 30, T2S, R2E, U.S.B.&M.
1886' FNL 686' FWL

**TOPOGRAPHIC
MAP**

11 08 13
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: L.S.

REVISED: 00-00-00

**D
TOPO**

RECEIVED: February 10, 2014

SURFACE USE AGREEMENT

(FD 5-30-2-2)

THIS AGREEMENT Dated April 23, 2014 by and between _____

Vernon B. Richens and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship
 whose address is P. O. Box 722, Ft. Duchesne, UT 84026
 Phone # (435-545-2535) , hereinafter referred to as "Surface Owners", and
Bill Barrett Corporation and its Subsidiaries , whose address is 1099 18th Street, #2300, Denver, CO 80202
 hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owners represent that they are the owners in fee and in possession of the surface estate for the following described lands in Uintah County, Utah , hereinafter referred to as "Lands", to wit:

Township 2 South, Range 2 East, USM
Section 30: A tract of land lying in Lot 2 (SW/4NW/4)

as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owners are generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owners as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

2. Operator agrees to consult with the surface owners and/or tenant as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owners and/or tenant as to the location and direction of same.

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owners may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

6. In the event Surface Owners consider that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owners shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owners. The service of said notice shall be precedent to the bringing of any action by Surface Owners for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owners actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owners from any and all environmental problems it causes on the Lands.

8. In the event Surface Owners own less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.
9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.
10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.
11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

ADDITIONAL PROVISIONS:

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SURFACE OWNERS:

Vernon B Richens
By: Vernon B. Richens

Eva Diane Richens
By: Eva Diane Richens

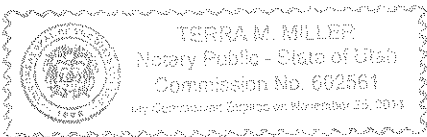
OPERATOR:
Bill Barrett Corporation

Mitchell J. Reneau
Mitchell J. Reneau, Vice President – Land

ACKNOWLEDGEMENT

STATE OF UTAH }
COUNTY OF UTAH } SS

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 25 day of April, 2014, personally appeared **Vernon B and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

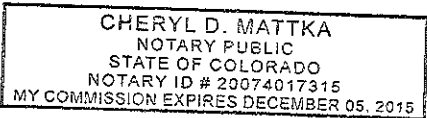


Terra M. Miller
Notary Public
Residing at: Vernal, UT

ACKNOWLEDGEMENT

STATE OF COLORADO }
CITY & COUNTY OF DENVER } SS

On the 1st day of May, 2014, before me the undersigned authority, appeared **Mitchell J. Reneau**, to me personally known, who, being sworn, did say that they are the Vice President – Land for Bill Barrett Corporation, and that the foregoing instrument was signed on behalf of said corporation and Appearer acknowledged to me that said instrument to be the free act and deed of the corporation.



Cheryl D. Matyka
Notary Public for the State of Colorado
Residing at: Jefferson Co, Colorado

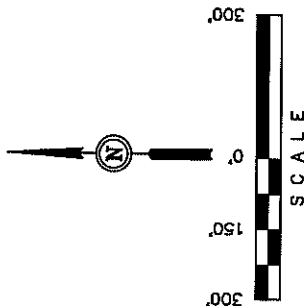
Alum. Cap
In Paved
Road

BILL BARRETT CORPORATION

**LOCATION SURFACE USE AREA
& ROAD RIGHT-OF-WAY ON
FEE LANDS**

(For FD #5-30-2-2)

LOCATED IN
SECTION 30, T2S, R2E, U.S.B.&M.,
UINTAH COUNTY, UTAH



BASIS OF BEARINGS

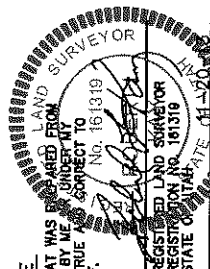
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

<i>RIGHT-OF-WAY LENGTHS</i>			
PROPERTY OWNER	FEET	ACRES	RODS
VERNON B. & EVA DIANE RICHENS ETAL	414.77	0.286	25.14

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE FIELD NOTES OF ACTUAL SURVEYS MADE BY ME, UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 788-1017
VERNAL, UTAH - 84078

SCALE 1" = 300'	DATE 11-
PARTY T.A. J.L. C.A.G.	REFERENCE G.L.
WEATHER COLD	FILE 5

SE 1/4

Sec. 30

SW 1/4

**Set Stone
Mound of Stones**

Lot 3

BEGINNING OF ROAD STA. 0+00 BEARS N40°58'26"E 1685.37'
FROM THE WEST 1/4 CORNER OF SECTION 30, T2S, R2E, U.S.B.&M.

END OF ROAD STA. 4+14.77 BEARS N35°42'31"E 1301.60' FROM
THE WEST 1/4 CORNER OF SECTION 30, T2S, R2E, U.S.B.&M.

ROAD RIGHT-OF-WAY DESCRIPTION

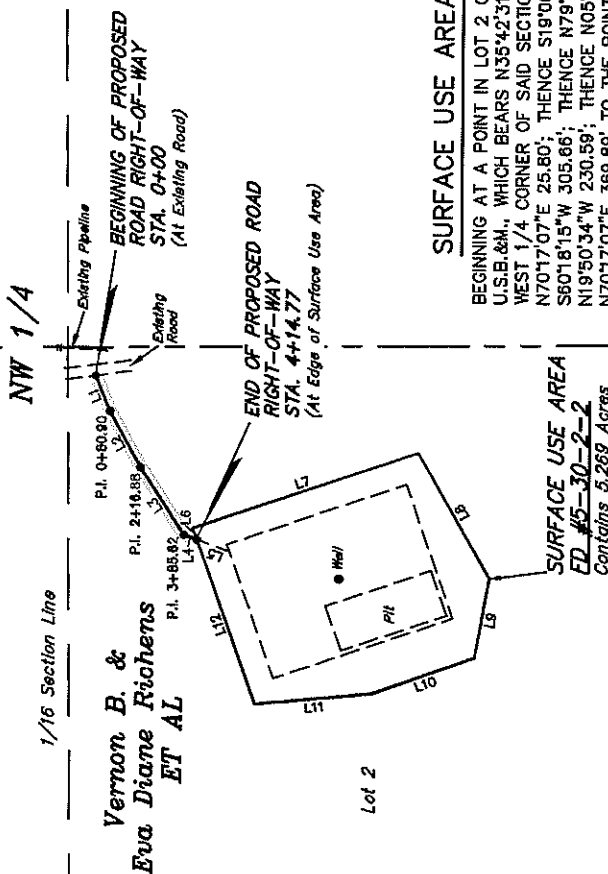
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN LOT 2 OF SECTION 30, T2S, R2E, U.S.B.&M., WHICH BEARS N40°58'26"E 1685.37' FROM THE 1/4 CORNER OF SAID SECTION 30, THENCE S67°49'38"W 80°01'; THENCE S61°08'56"W 135.97'; THENCE S66°58'35"W 168.74'; THENCE S19°59'23"W 29.15' TO A POINT IN LOT 2 OF SAID SECTION 30, WHICH BEARS N35°42'31"E 1301.60' FROM THE WEST 1/4 CORNER OF SAID SECTION 30. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES, BASIS OF BEARINGS IS A G.P.S. OBSERVATION, CONTAINS 0.286 ACRES MORE OR LESS.

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN LOT 2 OF SECTION 30, T2S, R2E,
 WEST 1/4 CORNER OF SAID SECTION 30, THENCE
 N89°42'31"E 1301.60' FROM THE
 WEST 1/4 CORNER OF SAID SECTION 30, THENCE
 N70°17'07"E 25.80'; THENCE S19°06'56"E 502.62'; THENCE
 S80°18'15"W 305.66'; THENCE N79°39'52"W 170.80'; THENCE
 N50°15'50.34"W 230.59'; THENCE N05°52'51"W 246.58'; THENCE
 N70°17'07"E 389.89' TO THE POINT OF BEGINNING. BASIS OF
 BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 5.269 ACRES
 MORE OR LESS.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S87°49'38"W	80.60'
L2	S61°08'56"W	134.97'
L3	S56°38'35"W	168.74'
L4	S19°59'23"W	20.16'
L5	S19°59'23"W	72.84'
L6	N70°17'07"E	25.60'
L7	S19°04'56"E	502.62'
L8	S80°18'15"W	308.66'
L9	N79°39'22"W	170.80'
L10	N19°50'34"W	230.59'
L11	N05°25'51"W	246.88'
L12	N70°17'07"E	368.89'



PIPELINE RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
COUNTY OF UTAH } SS

THAT, effective on this 23rd day of April, 2014

Vernon B. Richens and Eva Diane Richens as joint tenants with full rights of survivorship, whose address is P O Box 722, Ft. Duchesne, UT 84026; Phone: (435) 789-2535

("GRANTORS"), the receipt and sufficiency of which is hereby acknowledged, does hereby grant to Aurora Gathering, LLC of 1099 18th Street, #2300, Denver, CO 80202 ("GRANTEE"), its successors or assigns, a right-of-way to construct, maintain and use up to three pipelines along with the right to alter, inspect, repair, replace, change the size of, operate, and remove pipelines and from time to time add additional pipelines or multiple pipelines, drips, valves, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said lands for any purpose necessary or incidental to the operating and maintaining said pipeline or pipelines owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantors in Uintah County, State of Utah, to-wit:

Township 2 South, Range 2 East, USM
Section 30: A tract of land lying in Lots 1 and 2 (W/2NW/4)

As further described on Exhibit "A" attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantee to have the right to select, change or alter the routes of all pipelines herein authorized to be laid under, upon, over and through the above described premises. Grantors shall not place anything over or so close to any pipeline or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment or means customarily employed in the maintenance of pipelines. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantors arising out of the construction or repair of any of the pipelines and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Thirty (30) feet in width for construction and Twenty five (25) feet for the permanent easement. Pipelines and disturbed ground to be reseeded at recommended seeding rates per Grantors once cleanup is completed.

The foregoing sets out the entire agreement between Grantors and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator's rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless Aurora Gathering, LLC, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantors shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee. Following completion of the pipeline, Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement is signed by Grantors and Grantee as of the date of acknowledgment of their signatures below, but is effective for all purposes as of the Effective Date stated above.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTORS and GRANTEE herein named have hereunto set their hand and seal this 25 day of April, 2014.

GRANTOR:
Vernon B. Richens

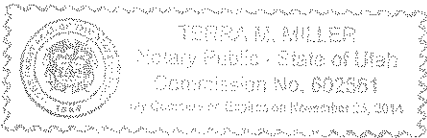
GRANTOR:
Eva Diane Richens

GRANTEE:
Aurora Gathering, LLC
Mitchell J. Reneau, Vice President - Land

ACKNOWLEDGEMENT

STATE OF UTAH }
 }
COUNTY OF UTAH } SS
 }

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 25 day of April, 2014, personally appeared **Vernon B. Richens and Eva Diane Richens in the capacity as stated above**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.



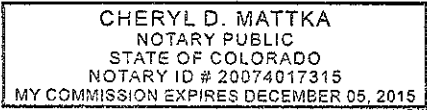
[Signature]
Notary Public

Residing At: Vernal, UT

ACKNOWLEDGEMENT

STATE OF COLORADO }
 }
CITY & COUNTY OF DENVER } SS
 }

On the 1st day of May, 2014, before me the undersigned authority, appeared **Mitchell J. Reneau**, to me personally known, who, being sworn, did say that they are the Vice President – Land for Aurora Gathering, LLC., and that the foregoing instrument was signed on behalf of said limited liability company and Appearer acknowledged to me that said instrument to be the free act and deed of the limited liability company.



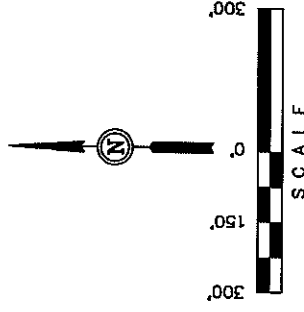
[Signature]
Notary Public for the state of Colorado

Residing at: Jefferson Co, Colorado

$$\frac{R2E}{R1E}$$

(For FD #5-30-2-2)

LOCATED IN
SECTION 30, T2S, R2E, U.S.B.&M.,
UINTAH COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
VERNON B. & EVA DIANE RICHENS ETAL	537.53	0.370	32.58

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME, AN UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161318
STATE OF UTAH

UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE	DATE
1" = 300'	11-18-13

PARTY	REFERENCES
T.A. J.J. C.A.G.	G 10 PLAT

OTHER	FILE	5 5 5 3 5
COLD		

SE 1/4

SW 1/4

Sec. 30

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N19°59'23"E	73.20'
L2	N19°59'23"E	84.10'
L3	N66°08'35"E	178.88'
L4	N61°06'58"E	138.91'
L5	N97°49'38"E	82.66'
L6	N88°08'57"E	72.09'

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN LOT 2 OF SECTION 30, T2S, R2E, U.S.B.M., WHICH BEARS N34°42'36"E 1289.69' FROM THE WEST 1/4 CORNER OF SAID SECTION 30, THENCE N19°59'23"E 64'10"; THENCE N58°58'35"E 179.86'; THENCE N61°08'56"E 138.81'; THENCE N67°49'38"E 82.66'; THENCE N68°08'57"E 72.09' TO A POINT IN LOT 2 OF SAID SECTION 30, WHICH BEARS N41°10'22"E 1763.08' FROM THE WEST 1/4 CORNER OF SAID SECTION 30, THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES, BASIS OF BEARINGS IS A G.P.S. OBSERVATION, CONTAINS 0.370 ACRES MORE OR LESS.

NW 1/4

Vernon B. &
Eva Diane Richards
ET AL

END OF PROPOSED
PIPELINE RIGHT-OF-WAY
STA. 5+37.53
(At Existing Pipeline)

BEGINNING OF PROPOSED
PIPELINE RIGHT-OF-WAY
STA. 0+00
(At Edge of Surface Use Area)

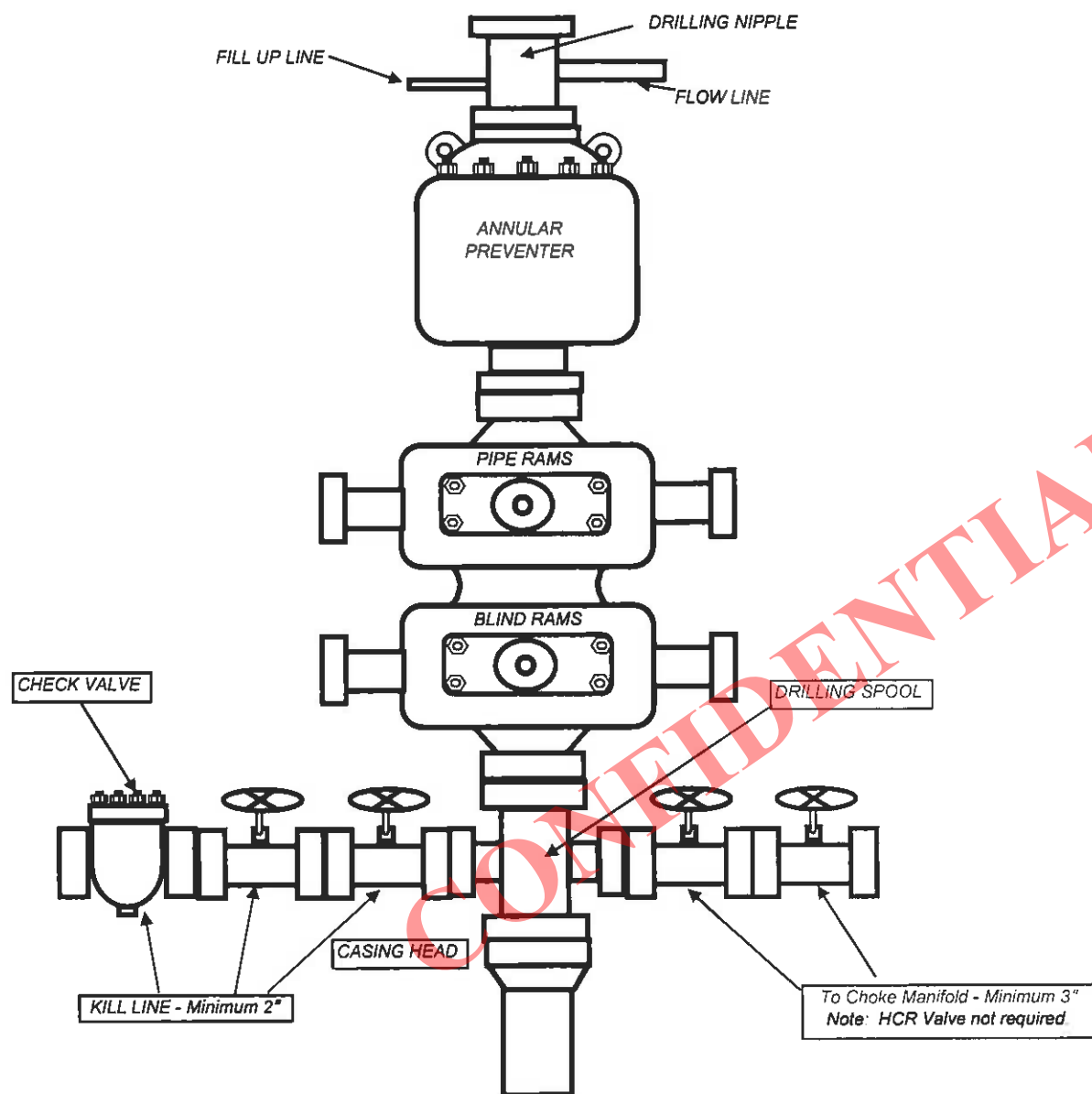
SURFACE USE AREA
FD #5-30-2-2

1/4 Section Line

**Set Stone,
Mound of Stones**

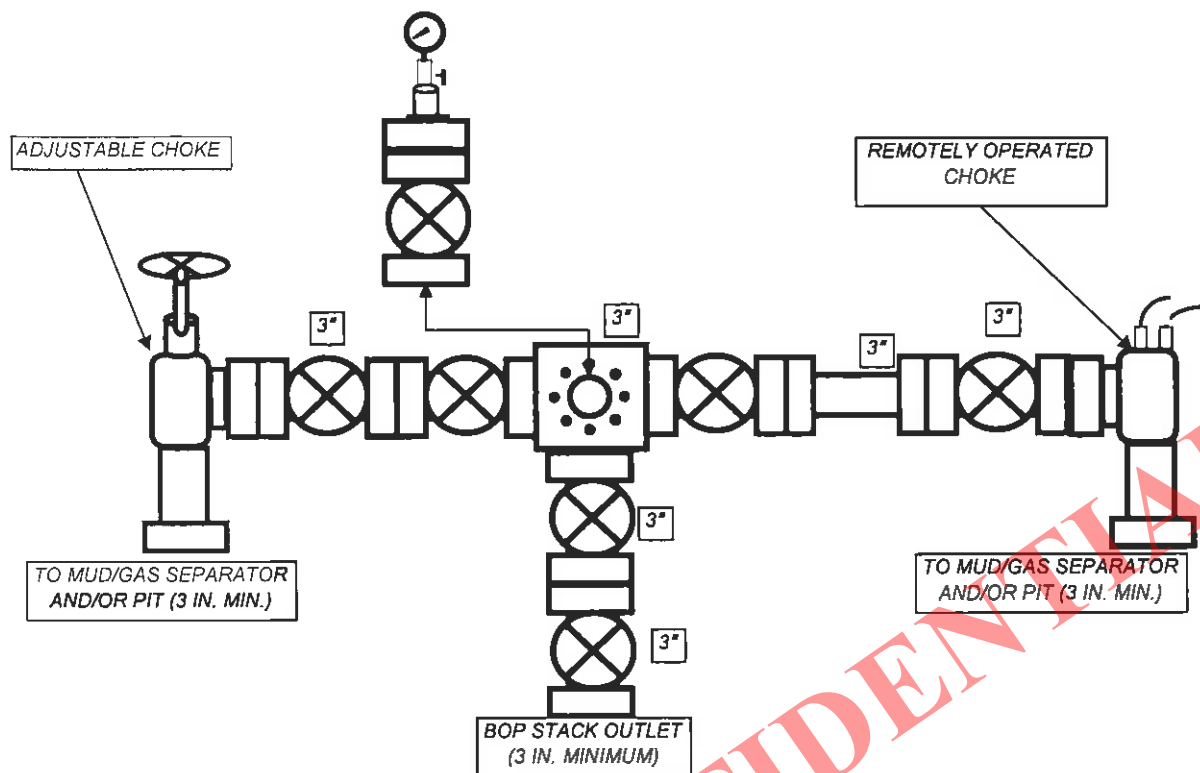
BILL BARRETT CORPORATION

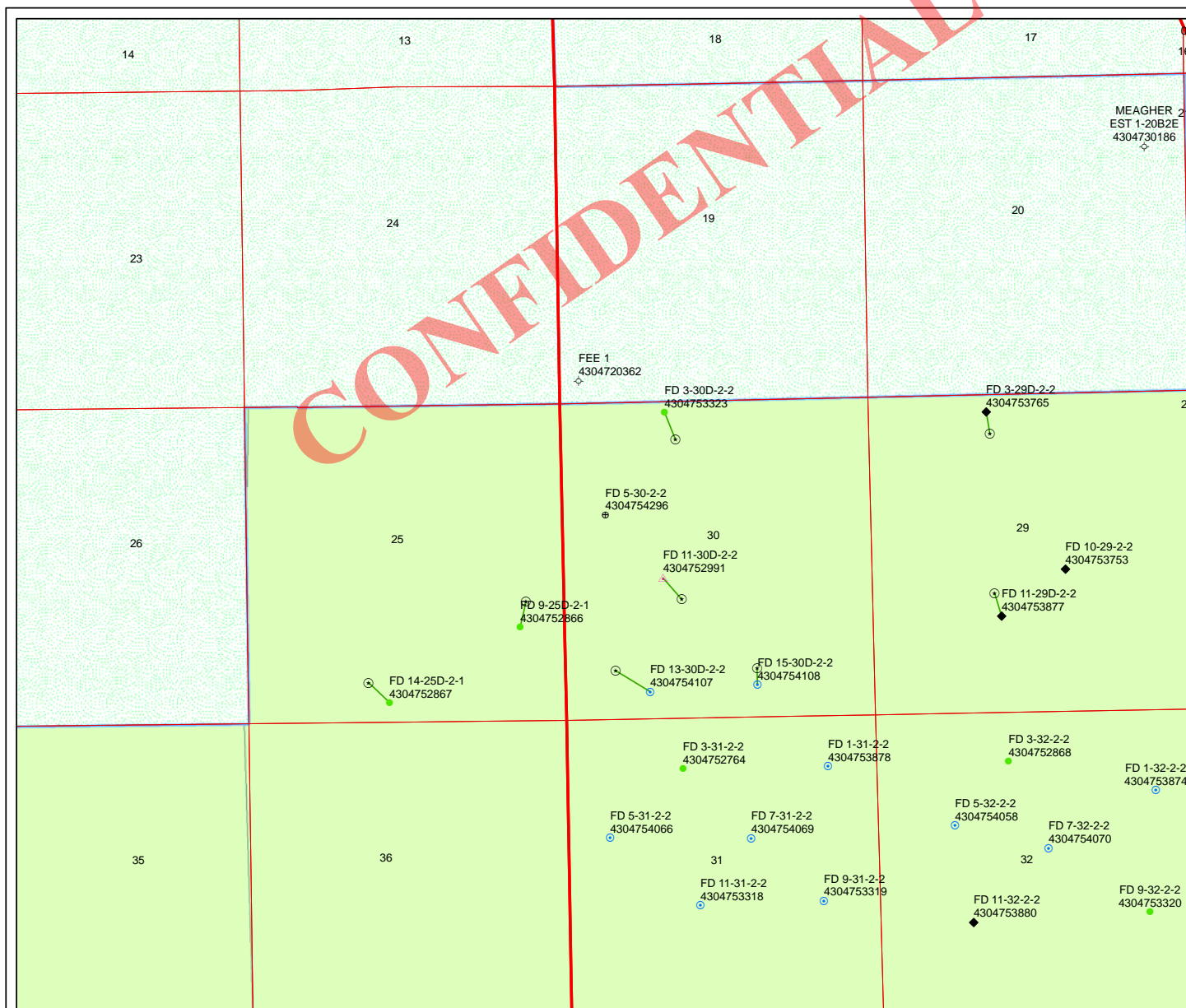
TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





API Number: 4304754296

Well Name: FD 5-30-2-2

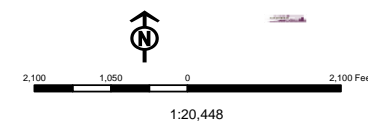
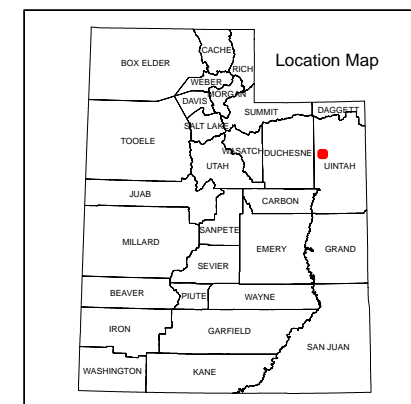
Township: T02.0S Range: R02.0E Section: 30 Meridian: U

Operator: BILL BARRETT CORP

Map Prepared: 2/14/2014
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit		ACTIVE	
DRL - Spudded (Drilling Commenced)		EXPLORATORY	
GRW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		NF SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERML	
POW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SOW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WDW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			

Fields	
STATUS	
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	



BOPE REVIEW

BILL BARRETT CORP FD 5-30-2-2 43047542960000

Well Name	BILL BARRETT CORP FD 5-30-2-2 43047542960000			
String	COND	SURF	PROD	
Casing Size(in)	16.000	8.625	5.500	
Setting Depth (TVD)	80	1200	9917	
Previous Shoe Setting Depth (TVD)	0	80	1200	
Max Mud Weight (ppg)	8.7	8.7	9.5	
BOPE Proposed (psi)	0	1000	5000	
Casing Internal Yield (psi)	1000	2950	7740	
Operators Max Anticipated Pressure (psi)	4899		9.5	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	36	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	26	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	18	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	18	NO
Required Casing/BOPE Test Pressure=		80	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

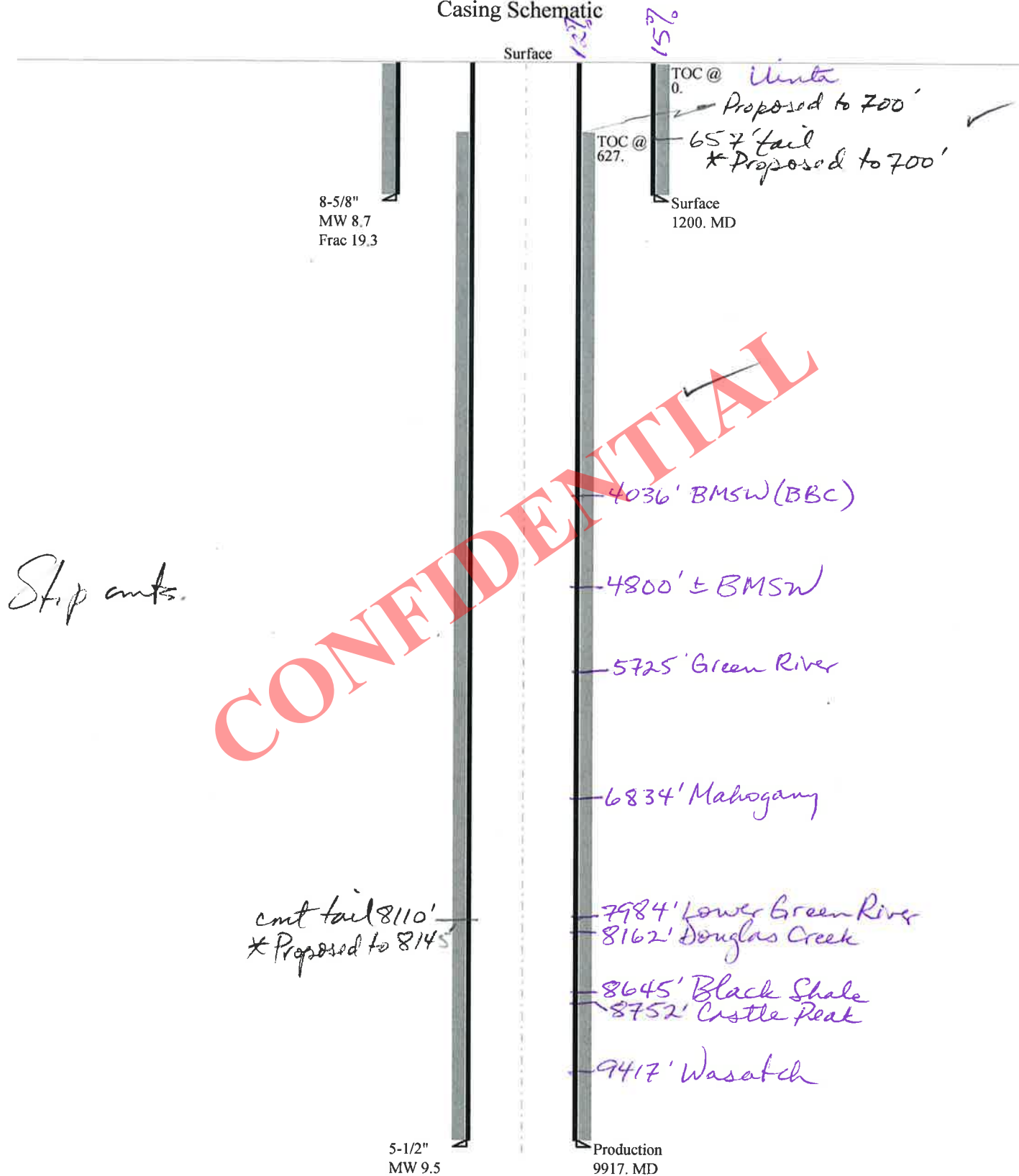
Calculations	SURF String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	543	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	399	YES rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	279	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	297	NO OK
Required Casing/BOPE Test Pressure=		1200	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4899	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3709	YES 5M BOP, two ram preventers, annular preventer
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2717	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2981	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1200	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047542960000 FD 5-30-2-2

Casing Schematic



Well name:

43047542960000 FD 5-30-2-2

Operator:

BILL BARRETT CORP

String type:

Surface

Project ID:

43-047-54296

Location:

UINTAH COUNTY

Design parameters:**Collapse**

Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 91 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,056 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,200 psi

Annular backup: 1.50 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,043 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 9,917 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,894 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,200 ft
Injection pressure: 1,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1200	8.625	24.00	J-55	ST&C	1200	1200	7.972	6177
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	542	1370	2.526	1106	2950	2.67	25	244	9.75 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: February 27, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1200 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

43047542960000 FD 520-2-2

Operator: **BILL BARRETT CORP**

String type: Production

Project ID:

43-047-54296

Location: UINTAH COUNTY

Design parameters:**Collapse**

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 213 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 627 ft

Burst

Max anticipated surface pressure: 2,712 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,894 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 8,488 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9917	5.5	17.00	I-80	LT&C	9917	9917	4.767	111269
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4894	6290	1.285	4894	7740	1.58	144.3	320	2.22 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: February 27, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9917 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name FD 5-30-2-2
API Number 43047542960000 **APD No** 9396 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4SWNW **Sec** 30 **Tw** 2.0S **Rng** 2.0E 1886 FNL 686 FWL
GPS Coord (UTM) 600398 4459766 **Surface Owner** TRACY RICHENS

Participants

Jim Burns (permit contractor), Zack Gardner (BBC), Terra Miller (landman), Cody Rich (surveyor), Jake Woodland (BBC landman)

Regional/Local Setting & Topography

This proposed well site is south of Gusher, Utah which is approximately midway between the much larger towns of Vernal and Roosevelt, Utah. The terrain here is made up of small scattered hills and dry washes. The soil is mostly quite permeable sandy loam which supports sage brush and various desert grasses. Drainage is generally to the south toward a narrow long running wetland. This lower lying drainage area trends toward the west and scattered throughout, where topography and water permits, are irrigated alfalfa hay fields. This well site sits on the east slope of a large gently sloping hill.

Surface Use Plan

Current Surface Use
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.09	Width 300 Length 400	Offsite	DUCHR

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

The vegetation at this site consists primarily of sage brush and various desert grasses and shrubs. Good pronghorn habitat.

Soil Type and Characteristics

Sandy loam soil

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? N**Erosion Sedimentation Control Required? N****Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		40 1 Sensitivity Level

Characteristics / Requirements

The reserve pit is proposed in a cut stable location. Dimensions are 200 x 100 x 10ft. Bill Barrett representative Zack Gardner stated that a 20 mil reserve pit liner and felt subliner will be used. This liner program appears adequate for this location.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y**Other Observations / Comments**

Richard Powell
Evaluator

2/20/2014
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9396	43047542960000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	TRACY RICHENS	
Well Name	FD 5-30-2-2		Unit		
Field	UNDESIGNATED		Type of Work	DRILL	
Location	SWNW 30 2S 2E U 1886 FNL		686 FWL	GPS Coord	
	(UTM) 600406E 4459763N				

Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 1,200 feet of surface casing at this location. The entire surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,800'. A search of Division of Water Rights records shows 6 water wells within a 10,000 foot radius of the center of Section 30. The wells are 60-500 feet in depth with listed uses as domestic, irrigation and stock watering. The wells probably produce water from near-surface alluvium and the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up to or above the base of the moderately saline ground water.

Brad Hill
APD Evaluator

3/4/2014
Date / Time

Surface Statement of Basis

This well is on fee surface with fee minerals. Surface owner/manager Vernon Richens was invited to this onsite but chose not to attend. Mr. Richens stated that prior to placement of the wells on the Richens land, he was consulted by Bill Barrett Corporation and all locations were placed such that his farming and livestock operation would not be disturbed. Mr. Richens chose not to participate in the days presite inspections but expressed that he had no concerns. According to Zack Gardner a 20 mil liner will be used for this reserve pit. This liner will be adequate for the location. Due to very permeable soils and nearby farming operations this well pad must be bermed to keep any leaked or spilled fluids contained to the pad. Minor drainage diversions may be needed for this location but it appears to be a good site for this well.

Richard Powell
Onsite Evaluator

2/20/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/10/2014

API NO. ASSIGNED: 43047542960000

WELL NAME: FD 5-30-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SWNW 30 020S 020E

Permit Tech Review: ☒

SURFACE: 1886 FNL 0686 FWL

Engineering Review: ☒

BOTTOM: 1886 FNL 0686 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.28233

LONGITUDE: -109.81887

UTM SURF EASTINGS: 600406.00

NORTHINGS: 4459763.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

LOCATION AND SITING:

☒ PLAT☒ R649-2-3.☒ Bond: STATE - LPM4138148

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ Oil Shale 190-3☐ R649-3-3. Exception☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 49-1645

Board Cause No: Cause 139-106

☐ RDCC Review:

Effective Date: 11/14/2013

☒ Fee Surface Agreement

Siting: 660' Fr Drl U Bdry & 990' Fr Other Wells

☐ Intent to Commingle☐ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
12 - Cement Volume (3) - hmacdonald
25 - Surface Casing - hmacdonald

RECEIVED: May 14, 2014



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: FD 5-30-2-2

API Well Number: 43047542960000

Lease Number: fee

Surface Owner: FEE (PRIVATE)

Approval Date: 5/14/2014

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-106. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 700' MD as indicated in the submitted drilling plan and tail cement to 500' above the top of the Lower Green River.

Surface casing shall be cemented to the surface.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet

- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-30-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047542960000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0686 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 30 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/1/2014			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drilling Contractor: Triple A Drilling LLC. Rig #: TA 4037 Rig Type:
 Soilmec SR/30 Spud Date: 8/1/2014 Spud Time: 9:00 AM Commence
 Drilling approximate start date: 8/15/2014

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 04, 2014

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/4/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: FD 5-30-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0686 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 30 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047542960000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: MOFFAT CANAL
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2014	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 20px;"> No monthly drilling to report, well spud on 8/01/2014 </div> <div style="text-align: right; padding: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 03, 2014</p> </div>		
NAME (PLEASE PRINT) Christina Hirtler		PHONE NUMBER 303 312-8597
SIGNATURE N/A		TITLE Administrative Assistant
DATE 9/3/2014		

<p align="center">STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING</p>		FORM 9
		5.LEASE DESIGNATION AND SERIAL NUMBER: fee
<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</p>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FD 5-30-2-2
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		STATE: UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No monthly drilling to report, well spud on 8/01/2014

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 06, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A		DATE 10/2/2014

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 328
Submitted By ERIK LLOYD Phone Number 303-353-5425
Well Name/Number FD 5-30-2-2
Qtr/Qtr SWNW Section 30 Township 72S Range R2E
Lease Serial Number FEE
API Number 430-475-42960000 *4304754296*

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/10/2014 10:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks RUN 8 5/8" SURFACE CASING AND CEMENT

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-30-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047542960000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0686 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 30 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

October 2014 monthly drilling activity report is attached

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 05, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A		DATE 11/4/2014

**FD 05-30-2-2 10/9/2014 16:00 - 10/10/2014 06:00**

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
16:00	6.00	22:00	14	NIPPLE UP B.O.P	NIPPLE UP CONDUCTOR, ROTATING HEAD & FLOW LINE, FLARE LINES AND NEW FLARE BOX
22:00	2.50	00:30	20	DIRECTIONAL WORK	PICK UP BIT, MM, AND SCRIBE DIR. TOOLS
00:30	3.50	04:00	2	DRILL ACTUAL	DRILL F/90' T/243 FT. 12-15K WOB, 40 RPM, 264 GPM, 400PSI

FD 05-30-2-2 10/10/2014 06:00 - 10/11/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILL F/243' T/1050' - 807' @ 76.8 FT/HR, 14K WOB, 60-65 RPM, 540 GPM, 960 PSI
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	1.50	18:30	2	DRILL ACTUAL	DRILL F/1050' T/ 1234' = TD - 184' @ 122.6 FT/HR, 14K WOB, 65 RPM, 540 GPM, 960 PSI
18:30	0.50	19:00	5	COND MUD & CIRC	PUMP SWEEP AND CIRCULATE OUT
19:00	2.00	21:00	6	TRIPS	WIPER TRIP - TOO H TO COLLARS / TIH TO BOTTOM
21:00	0.50	21:30	5	COND MUD & CIRC	PUMP SWEEP AND CIRCULATE OUT
21:30	1.50	23:00	6	TRIPS	TOOH - LDDP
23:00	1.00	00:00	20	DIRECTIONAL WORK	LAY DOWN DIR. TOOLS, MM, & BIT
00:00	5.00	05:00	12	RUN CASING & CEMENT	RIG UP TO RUN CASING, & RUN 28 JTS - 1224' OF 8 5/8", 24#, J55, ST&C SURFACE CASING WITH 7 CENTRALIZERS
05:00	1.00	06:00	5	COND MUD & CIRC	CIRCULATE WHILE R/U HES CEMENTERS

FD 05-30-2-2 10/11/2014 06:00 - 10/12/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	12	RUN CASING & CEMENT	Held pre job safety meeting w/Halliburton. RU cmt head & test lines t/3000 psig. Pump 20 bbl fresh water spacer, 40 bbl Super flush @10.0 ppg, 20 bbl fresh water spacer, 160 sx Lead cmt, 90 bbls @ 11 ppg, 265 sx Tail cmt, 65 bbls @ 14.8 ppg. Drop wiping plug, displace w/75 bbls fresh water. Got 20 bbls cement to surface, Bumped Plug at 350psi plus 500psi over final circ. pressure, Floats held - got .5 bbl back, Wait 2hrs. Pumped 7.5 bbls of 15.8ppg Top Out Cement, Got 5 bbls cement to surface. R/D Cementers.
10:30	2.00	12:30	13	WAIT ON CEMENT	WAIT ON CEMENT
12:30	3.00	15:30	21	WELD ON CSG HEAD	CUT OFF CSG, WELD ON WELLHEAD
15:30	3.50	19:00	14	NIPPLE UP B.O.P	NIPPLE UP BOPE
19:00	4.00	23:00	15	TEST B.O.P	Held pre job safety meeting w/tester. Test pipe rams, blind rams, choke lines & manifold, inside valves, check valves, kill line, kelly valve, dart valve, floor valve, t/5000 psig f/10 minutes. Test annular t/1500 psig, test casing t/2000 psig f/30 minutes, test chokes t/500 psig f/10 minutes. RD tester.
23:00	1.50	00:30	20	DIRECTIONAL WORK	Install wear bushing. P/U BHA & scribe tools,
00:30	2.00	02:30	9	CUT OFF DRILL LINE	RIH / Cut and slip drilling line
02:30	2.00	04:30	3	REAMING	Drl shoe track & 20' open hole, perform EMW test t/10.5 ppg. @ 130 psi = 0% LEAK OFF
04:30	1.50	06:00	2	DRILL ACTUAL	Drl f/1254' t/1375', 80.7 fph average. 8-12K WOB, 46-50 rpm, 525 gpm, IROP 175-230 fph. .

FD 05-30-2-2 10/12/2014 06:00 - 10/13/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Drl f/1375' t/2978'. 1603' @139.3 fph average. 10-14K WOB, 55-60 rpm, 530 gpm. Slides at 40-70 fph. IROP 125-260 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service
18:00	12.00	06:00	2	DRILL ACTUAL	Drl f/2978' t/4375', = 1397' @ 116 fph average. 14-18K WOB, 50-60 rpm, 532 gpm, IROP 45-200 fph. .

**FD 05-30-2-2 10/13/2014 06:00 - 10/14/2014 06:00**

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drill f/4375'- t/4917'. 542' @ 51.6 fph, w/ 18K WOB, 65 RPM, 530 GPM, 2000 PSI
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	2	DRILL ACTUAL	Drill f/4917'- t/5170'. 253' @ 19.4 fph, w/ 18-20K WOB, 60-65 RPM, 530 GPM, 2200 PSI

FD 05-30-2-2 10/14/2014 06:00 - 10/15/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Drill f/5170'- t/5466'. 296' @ 29.6 fph, w/ 20-24K WOB, 60-65 RPM, 530 GPM, 2100 PSI IROP 9-25 fph
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service
16:30	13.50	06:00	2	DRILL ACTUAL	Drill f/5466'- t/5690'. 224' @ 16.6 fph, w/ 24-28K WOB, 60-65 RPM, 530 GPM, 2300 PSI - IROP 12-60 fph = 80% shaly/sandy limestone

FD 05-30-2-2 10/15/2014 06:00 - 10/16/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Drill f/5690'- t/5845'. 155' @ 15.5 fph, w/ 28K WOB, 60-65 RPM, 530 GPM, 2300 PSI - IROP 10-45 fph = 80% shaly/sandy limestone
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	5.50	22:00	2	DRILL ACTUAL	Drill f/5845'- t/5921'. 76' @ 15.2 fph, w/ 28-30K WOB, 60-65 RPM, 530 GPM, 2300 PSI - IROP 5-29 fph
22:00	1.50	23:30	5	COND MUD & CIRC	Prep for bit trip. Send high vis sweep, shakers clean. Pull 5 stnds wet, 30 minute flow check,
23:30	4.50	04:00	6	TRIPS	TOOH, wellbore in good shape.
04:00	2.00	06:00	20	DIRECTIONAL WORK	LD Dir Tools, M/U new bit / mm

FD 05-30-2-2 10/16/2014 06:00 - 10/17/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	6	TRIPS	TIH
10:00	2.50	12:30	3	REAMING	Wash & Ream, work tight hole f/3430' t/3760'
12:30	3.00	15:30	6	TRIPS	TIH, Wash & Ream last 40' to bottom
15:30	14.50	06:00	2	DRILL ACTUAL	Drill f/5921'- t/6170'. 249' @ 16.1 fph, w/ 12-18K WOB, 60-65 RPM, 530 GPM, 2200 PSI - IROP 5-29 fph 80% sndy limestone, 20% shly limestone

FD 05-30-2-2 10/17/2014 06:00 - 10/18/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	Drill f/6170'- t/6297'. 127' @ 13.4 fph, w/ 16-18K WOB, 60-65 RPM, 475 GPM, 1920 PSI - IROP 5-29 fph 80% sndy limestone, 20% shly limestone
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE
16:00	14.00	06:00	2	DRILL ACTUAL	Dring f/6297' t/6674'. 377' @ 27 fph avg, 24K WOB, 65 RPM, 500 GPM, 2320 PSI IROP 40-68 fph

FD 05-30-2-2 10/18/2014 06:00 - 10/19/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Dring f/6674' t/6972'. 298' @ 28.3 fph avg, 24K WOB, 60-65 RPM, 500 GPM, 2300 PSI IROP 20-68 fph
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
17:00	13.00	06:00	2	DRILL ACTUAL	Drilling f/6792' - t/7517'. 545' @ 42 fph avg, 24K WOB, 60-65 RPM, 530 GPM, 2570 PSI IROP 20-68 fph

FD 05-30-2-2 10/19/2014 06:00 - 10/20/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drilling f/7517' - t/7816' - 299' @ 28.4 fph avg - 22-26K WOB, 50-60 RPM, 500-530 GPM, 150-330 DIFF PSI, 8-10K TORQUE - 2900PSI SPP
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service.
17:00	13.00	06:00	2	DRILL ACTUAL	Drilling f/7816' - t/8210'. 394 ft @ 30.3 fph avg. 24-26 WOB, 60-65 RPM, 530 gpm, 2500PSI SPP, 265-300 DIFF, 7-10K TORQUE

FD 05-30-2-2 10/20/2014 06:00 - 10/21/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	Drilling f/8210' - t/8529'. 319 ft @ 33.5 fph avg. 22-28 WOB, 65 RPM, 500 GPM, 2300 PSI SPP, 150-260 DIFF, 7-11K TORQUE
15:30	0.50	16:00	7	LUBRICATE RIG	Rig Service
16:00	14.00	06:00	2	DRILL ACTUAL	Drilling f/8529' - t/8951'. 422 ft @ 30.1 fph avg. 24 WOB, 60 RPM, 320 GPM, 1400 PSI SPP, 220-240 DIFF, 11-12K TORQUE - Pump #1 offline

FD 05-30-2-2 10/21/2014 06:00 - 10/22/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	Drilling f/8951' - t/9012'. 61' @ 10.1 fph avg, 24-28K WOB, 65 RPM, 500 GPM, 2400 PSI IROP 5-20 fph, 9-11.5K Torque
12:00	2.50	14:30	5	COND MUD & CIRC	Raise mw to 9.7ppg around, pull 5 jnts wet, displace clean mud in DP,
14:30	9.50	00:00	6	TRIPS	30 min flow check, Pump dry job, TOO H. Work tight spot at 7816', TOO H
00:00	3.00	03:00	20	DIRECTIONAL WORK	Break BHA / LD Dir Tools. P/U new bit/mm, Scribe Tools.
03:00	3.00	06:00	6	TRIPS	TIH to resume drilling to TD

FD 05-30-2-2 10/22/2014 06:00 - 10/23/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	6	TRIPS	TIH W/ NEW BIT & MOTOR
11:00	5.50	16:30	2	DRILL ACTUAL	DRILL ACTUAL F/9012' - T/9205' - 193' @ 35.1'/HR. WOB = 23K, RPM=70, 475 GPM, 2630 PSI
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	8.50	01:30	2	DRILL ACTUAL	DRILL ACTUAL F/9205' - T/9434' = TD - 229' @ 26.9'/HR. WOB=20K, RPM=70, 455 GPM, 1720 PSI
01:30	1.00	02:30	5	COND MUD & CIRC	PUMP HIGH VIS SWEEP, CIRCULATE
02:30	3.50	06:00	6	TRIPS	CLEAR STRING W/CLEAN MUD, FLOW CHECK-NO FLOW, PULL 5 JTS WET, PUMP SLUG, SHORT TRIP TO 7750'

FD 05-30-2-2 10/23/2014 06:00 - 10/24/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	TIH FROM SHORT TRIP
06:30	2.00	08:30	5	COND MUD & CIRC	CIRCULATE GAS OUT, FLOW CHECK, CLEAR PIPE WITH CLEAN MUD, SEND DRY JOB
08:30	6.50	15:00	6	TRIPS	TOOH/LDDP TO RUN CASING
15:00	1.00	16:00	20	DIRECTIONAL WORK	LAY DOWN DIR. TOOLS BIT AND MOTOR
16:00	2.00	18:00	12	RUN CASING & CEMENT	PULL WEAR BUSHING, RIG UP TO RUN 5 1/2" CASING

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	4.00	22:00	12	RUN CASING & CEMENT	RUN 5 1/2" CASING
22:00	0.50	22:30	5	COND MUD & CIRC	CIRCULATE BTMS UP
22:30	4.50	03:00	12	RUN CASING & CEMENT	RUN 5 1/2" CASING
03:00	1.00	04:00	5	COND MUD & CIRC	CIRCULATE BTMS UP
04:00	2.00	06:00	12	RUN CASING & CEMENT	RUN 5 1/2" CASING

FD 05-30-2-2 10/24/2014 06:00 - 10/24/2014 21:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	12	RUN CASING & CEMENT	RUN 206 JTS 9424' OF 5 1/2" 17# I-80 LT&C PROD. CASING W/91 CENTRALIZERS AND 2 MARKERS
08:30	3.00	11:30	5	COND MUD & CIRC	CIRCULATE GAS OUT, RECIPROCATATE PIPE, LAND LANDING JOINT
11:30	5.00	16:30	12	RUN CASING & CEMENT	Held pre job safety meeting w/Halliburton. Pressure test lines to 5,000psi, Pump 30 bbls Tuned spacer-10.5 PPG, 10 bbl fresh water spacer, 30 bbls Super Flush-10.0PPG, 10bbl fresh water. Mix & pump 570 sx lead cmt, 238 bbls @ 11ppg, 730 sx tail cmt, 189 bbls @ 13.5 ppg. Displace w/216.5 bbls fresh water w/biocide & CLA WEB. Caught the plug with 70 bbls into disp. just got tuned spacer back to surface no cement returns, Bump plug @2100 psi increase t/2600 . Ck floats, floats held, got 2 bbls back.
16:30	1.00	17:30	21	OPEN	SET PACKOFF
17:30	3.50	21:00	14	NIPPLE UP B.O.P	NIPPLE DOWN AND CLEAN MUD TANKS, RIG RELEASE @ 2100 HRS.

FD 05-30-2-2 10/27/2014 06:00 - 10/28/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 328
Submitted By JODY SOUTH Phone Number 303-353-5425
Well Name/Number FD 5-30-2-2
Qtr/Qtr SWNW Section 30 Township T2S Range R2E
Lease Serial Number FEE
API Number 430-475-42960000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/23/2014 2:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks RUN 5 1/2" PRODUCTION CASING AND CEMENT

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: FD 5-30-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0686 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 30 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047542960000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: MOFFAT CANAL
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/16/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center;"> THIS WELL HAD FIRST PRODUCTION ON 11/16/2014 AND FIRST GAS SALES ON 11/17/2014 </div> <div style="text-align: right; margin-top: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 19, 2014 </div>		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 11/18/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-30-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047542960000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0686 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 30 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the November 2014 Drilling Activity for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 09, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 12/3/2014	

**FD 05-30-2-2 11/1/2014 06:00 - 11/2/2014 06:00**

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	PTST	Pressure Test	HSM. CHECK PRESSURE. ND 7" NIGHT CAP. NU FRAC MANDREL AND 5"10K FRAC VALVES. PRES TEST CSG AND VALVES TO 6200 PSI. GOOD TEST. SHUT IN AND SECURE WELL.

FD 05-30-2-2 11/2/2014 06:00 - 11/3/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	CTRL	Crew Travel	CREWS TRAVELS TO LOCATION. HSM
08:00	4.00	12:00	SRIG	Rig Up/Down	MIRU J&C 75 TON CRANE. MU OIL STATES 7" 5K LUBE. SURFACE TEST TOOLS. HSM. PU LUBE AND TOOLS.
12:00	18.00	06:00	LOGG	Logging	RIH W/ CHDT TOOLS. RIH AND CONDUCT CHDT. PROJECTED DEPTHS 8960' (COMPLETED AND PLUGGED) 9153' (COMPLETED AND PLUGGED) 9230' (NOT ATTEMPTED)

FD 05-30-2-2 11/3/2014 06:00 - 11/4/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOGG	Logging	POOH AFTER 3 D/O ON DEPTHS. RUN BACK IN AND CONT WITH TEST. PROJECTED DEPTHS 7995' (COMPLETED AND PLUGGED) 8088' (COMPLETED AND PLUGGED) 8177' (COMPLETED AND PLUGGED) 8306' (COMPLETED AND PLUGGED) 8909' (COMPLETED AND PLUGGED) POOH W/ LOG TOOLS.

FD 05-30-2-2 11/4/2014 06:00 - 11/5/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	SRIG	Rig Up/Down	CHDT'S COMPLETE. RD SLB AND J&C CRANE.
08:00	22.00	06:00	GOP	General Operations	BATTERY UNDER CONSTRUCTION.

FD 05-30-2-2 11/7/2014 06:00 - 11/8/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. TEST FB EQUIP TO 2500/4500 PSI. HAD TO REPLACE 3 VALVES COMING OFF OF SAND TRAP, RETEST ALL TEST GOOD. LOCK & SECURE WELL.

FD 05-30-2-2 11/11/2014 06:00 - 11/12/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	MIRU WILLIES HEAT FRAC LINE 39-500S TO 100*. RDMO

FD 05-30-2-2 11/12/2014 06:00 - 11/13/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	3.00	10:00	SRIG	Rig Up/Down	MIRU CUTTERS W/ 5" 10K LUBE.
10:00	1.50	11:30	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 60 PSI. RIH AND CORRELATE TO SJ AT 7951'-7974' AND 8610'-8634'. RUN DOWN AND PERF UTELAND BUTTE FORM 8838'-9245' WITH 60 HOLES IN 20' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL. TARP WELL HEAD PUT HEATER ON FOR NIGHT.
11:30	4.00	15:30	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

FD 05-30-2-2 11/13/2014 06:00 - 11/14/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.75	09:45	SMTG	Safety Meeting	AOL 06:30. HAD TO FINISH RIGGING UP LOC. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM- SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS.
09:45	2.00	11:45	FRAC	Frac. Job	<p>FRAC STG 1 PRESSURE TEST LINES TO 7700 PSI. OPEN WELL W/ 30 PSI AT 9:45 AM BREAK DOWN 3143 PSI AT 9.6 BPM. PMP 3900 GAL 15% HCL ACID W/ 120 BIO BALLS FOR DIVERSION. 10.1 BPM AT 2780 PSI. FLUSH W/ 8630 GAL. 30 BPM AT 3620 PSI. BALL OUT (MAX PRESSURE 3819 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 15 MIN. "HAD TO FIX CHEM LA'S FOR CLA-WEB & BE-7 BEFORE RESUMING STG"</p> <p>STAGE FR PAD. STABLE RATE OF 71 BPM AT 4510 PSI. ISDP 2914 . FG .76. PERFS OPEN 38/60</p> <p>ISIP 3600, FG .83, MR 72.4 BPM, AR 67.9 BPM, MP 5555 PSI (ON FINAL FLUSH), AP 4376 PSI 20/40 WHITE 250,000 lbs 20# HYBOR 1#,2#,3#,4#PPG SLK WTR 52,409 GAL. 20# HYBOR 3244 BBL.BTR 4596 BBLS.</p> <p>STAGE SCORE 10 "MIXING BOWL WAS FROZE ON GROWLER PRIOR TO STARTING STG 1"</p> <p>SHUT IN AND TURN WELL OVER TO CUTTERS</p>
11:45	1.50	13:15	PFRT	Perforating	<p>PERF STG #2- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE (WITH METHANOL) 3000 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7951'-7974' & 8610'-8634'. RUN DOWN AND SET 5-1/2" CBP AT 8790' WITH 2900 PSI. PULL UP AND PERF 3PT/BSF/CSTL PK FORM 8471'-8767' WITH 45 HOLES IN 15' NET. END PERFS WITH 700 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN.</p> <p>TURN WELL OVER TO HES.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:15	1.75	15:00	FRAC	Frac. Job	<p>FRAC STG 2 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 810 PSI AT 13:15 BREAK DOWN 3054 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10 BPM AT 2970 PSI. FLUSH W/ 8271 GAL. 29.7 BPM AT 3690 PSI. BALL OUT (MAX PRESSURE 6010 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN. DID NOT SEE ANY BALL ACTION THROUGH OUT ACID FLUSH. BROUGH RATE BACK UP SEEN GOOD BALL ACTION AFTER SURGEING 3 TIMES. SHUT DOWN AGAIN SURGED WELL 3 MORE TIMES.</p> <p>STAGE FR PAD. STABLE RATE OF 57 BPM AT 4907 PSI. ISDP 3101. FG .80. PERFS OPEN 28/60</p> <p>ISIP 3481, FG .84, MR 70.1 BPM, AR 69.7 BPM, MP 5054 PSI (ON FINAL FLUSH), AP 4456 PSI 20/40 WHITE 250,000 lbs 20# HYBOR 1#,2#,3#,4#PPG SLK WTR 50,139 GAL. 20# HYBOR 2963 BBL.BTR 4250 BBLS.</p> <p>STAGE SCORE 10</p> <p>SHUT IN AND TURN WELL OVER TO CUTTERS</p>
15:00	1.25	16:15	PFRT	Perforating	<p>PERF STG #3- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE (WITH METHANOL) 3100 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7951'-7974' & 8610'-8634'. RUN DOWN AND SET 5-1/2" CBP AT 8450' WITH 3000 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 8166'-8426' WITH 45 HOLES IN 15' NET. END PERFS WITH 600 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN.</p> <p>SDFN WINTERIZE EQUIP.</p>
16:15	13.75	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

FD 05-30-2-2 11/14/2014 06:00 - 11/15/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	SMTG	Safety Meeting	<p>AOL 05:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS, WINTER OPS, ICE PLUGS.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:15	2.50	09:45	FRAC	Frac. Job	<p>FRAC STG 3 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 2650 PSI AT 7:20 AM BREAK DOWN 3105 PSI AT 5.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. BPM AT PSI. FLUSH W/ 9400 GAL. 30 BPM AT 3290 PSI. BALL OUT (MAX PRESSURE 6200 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 15 MIN.</p> <p>"HAD TO WORK ON CL-22 HAVING ISSUES GETTING GOOD FLOW ON IT. PUT CHEM UP IN HAL TANK, WAITED FOR GOOD FLOW BEFORE RESUMING FRAC" FLUID VERY THICK COMING OUT OF CHEM TOTE" (DOWN 45 MINS WORKING ON IT)</p> <p>STAGE FR PAD. STABLE RATE OF 52.3 BPM AT 5271 PSI. ISDP 2593 . FG .76. PERFS OPEN 20/45</p> <p>ISIP 3292 , FG .83, MR 71.8 BPM, AR 68.2 BPM, MP 5395 PSI (5800 PSION FINAL FLUSH), AP 4246 PSI 20/40 WHITE 250,000 lbs 20# HYBOR 1#,2#,3#,4#PPG SLK WTR 45353 GAL. 20# HYBOR 3146 BBL.BTR 4319 BBLs.</p> <p>"STARTED LOSING SUCTION ON BLENDER WHEN WE STAGED TO 4LB LOW WATER TANKS, SLOWED RATE DOWN TO 30BPM CUT SCREWS TILL WE CAUGHT SUCTION. GOT SUCTION BACK WENT BACK UP TO 70 BPM WENT BACK TO SAND HAD TO PUMP EXTRA WATER TO GET SAND VOLUME IN"</p> <p>STAGE SCORE 10</p> <p>SHUT IN AND TURN WELL OVER TO CUTTERS</p>
09:45	1.50	11:15	PFRT	Perforating	<p>PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE (WITH METHANOL) 2700 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7951'-7974'. RUN DOWN AND SET 5-1/2" CBP AT 8146' WITH 2700 PSI. PULL UP AND PERF TGR3 FORM 7985'-8123' WITH 75 HOLES IN 25' NET. END PERFS WITH 2340 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN.</p> <p>TURN WELL OVER TO HES.</p>
11:15	1.75	13:00	FRAC	Frac. Job	<p>FRAC STG 4 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 2430 PSI AT 11:05 AM BREAK DOWN 2810 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 150 BIO BALLS FOR DIVERSION. 10.3 BPM AT 1400 PSI. FLUSH W/ 7797 GAL. 32.3 BPM AT 2540 PSI. BALL OUT (MAX PRESSURE 4100 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 15 MIN.</p> <p>STAGE FR PAD. STABLE RATE OF 72 BPM AT 4139 PSI. ISDP 2583 . FG .76. PERFS OPEN 44/75</p> <p>ISIP 3513, FG .87, MR 65.3 BPM, AR 63.3 BPM, MP 4992 PSI (4620 PSI ON FINAL FLUSH), AP 3518 PSI 20/40 WHITE 252,280 lbs 20# HYBOR 1#,2#,3#,4#PPG SLK WTR 44,215 GAL. 20# HYBOR 2794 BBL.BTR 3927 BBLs.</p> <p>STAGE SCORE 10</p> <p>SHUT IN AND TURN WELL OVER TO CUTTERS</p>
13:00	1.00	14:00	WLWK	Wireline	<p>KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 2700 PSI. RIH & SET KILL PLUG AT 7960' WITH 2700 PSI. BLEED OFF WELL AS POOH.</p>
14:00	2.00	16:00	SRIG	Rig Up/Down	RDMO CUTTERS & HES FRAC FLEET.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE. STACK FRAC WTR. MOVE OFF FRAC LINE.

FD 05-30-2-2 11/15/2014 06:00 - 11/16/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.00	08:00	SRIG	Rig Up/Down	ROAD RIG TO LOCATION. RUSU.
08:00	1.00	09:00	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VALVES. NU 7" 5K BOP AND HYDRIL. RU FLOOR.
09:00	2.50	11:30	GOP	General Operations	SPOT CATWALK AND PIPE RACKS. UNLOAD 300-JTS 2-7/8" L-80 TBG.
11:30	3.00	14:30	RUTB	Run Tubing	MU 4-3/4" BIT, FLOAT SUB, 1-JT TBG, DRAIN SUB. RIH AS MEAS AND PU TBG.
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL. WINTERIZE EQUIP. CREW TRAVEL. OPERATIONS SDFN

FD 05-30-2-2 11/16/2014 06:00 - 11/17/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. START AND WARM EQUIP.
07:00	1.00	08:00	PTST	Pressure Test	FILL LINES. PRES TEST LINES, HYDRIL, AND PIPE RAMS TO 2000#. GOOD.
08:00	3.50	11:30	DOPG	Drill Out Plugs	EST CIRC. PUMP 2 BPM, HOLD 1000 PSI BACK PRESSURE. CBP #1 AT 7960'. 0' FILL. D/O IN 14 MIN. FCP 800 ON 35/64. PMP 1 / RET 1. RIH. CBP #2 AT 8146'. 22' FILL. D/O IN 5 MIN. FCP 800 PSI ON 35/64". PMP 1/RET 2. RIH. CBP #3 AT 8450'. 14' FILL. D/O IN 5 MIN. FCP 800 PSI ON 36/64". PMP 1/RET 2. RIH. CBP #4 AT 8790'. 120' FILL. D/O IN 5 MIN. FCP 800 PSI ON 34/64". PMP 1 / RET 2. RIH. C/O 150' FILL TO FC AT 9331'. D/O FC AND 54' CMT TO PBTD AT 9385' WITH 295-JTS IN. CIRC CLEAN. RD PWR SWIVEL.
11:30	1.00	12:30	PULT	Pull Tubing	POOH AS LD 48-JTS TBG. LUBE IN AND LAND HANGER. TBG DETAIL KB 13.00 HANGER .85 246-JTS 2-7/8" L-80 7817.11 2.31 XN NIPPLE 1.27 1-JT 2-7/8" L-80 31.78 POBS .96 EOT AT 7864.97'
12:30	1.50	14:00	BOPR	Remove BOP's	RD FLOOR. ND BOP. NU WH. PLUMB IN LINES. POBS AT 2900 PSI.
14:00	1.00	15:00	SRIG	Rig Up/Down	RDSU. RACK OUT PUMP AND EQUIP. TURN OVER TO FBC. SITP 900, SICP 900. OPEN TO 18/64" TO TREATER. FTP 800.
15:00	0.50	15:30	RMOV	Rig Move	MOVE RIG TO 3-30D-2-2. (REPAIR BOARD BRACKETS IN AM)
15:30	14.50	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO PRODUCTION

FD 05-30-2-2 11/26/2014 06:00 - 11/27/2014 06:00

API 43-047-54296	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,434.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	SRIG	Rig Up/Down	MIRU
08:00	1.30	09:18	CTRL	Crew Travel	travel to Price

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER: Fee				
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						7. UNIT or CA AGREEMENT NAME				
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						8. WELL NAME and NUMBER: FD 5-30-2-2				
2. NAME OF OPERATOR: Bill Barrett Corporation						9. API NUMBER: 4304754296				
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202					PHONE NUMBER: (303) 293-9100	10 FIELD AND POOL, OR WILDCAT Moffat Canal				
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1886 FNL 686 FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: 1884 FNL 712 FWL AT TOTAL DEPTH: 1911 FNL 732 FWL						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 30 2S 2E U				
						12. COUNTY Uintah		13. STATE UTAH		
14. DATE SPUDDED: 8/1/2014		15. DATE T.D. REACHED: 10/23/2014		16. DATE COMPLETED: 11/16/2014 ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 5075 GL				
18. TOTAL DEPTH: MD 9,434 TVD 9,432		19. PLUG BACK T.D.: MD 9,332 TVD 9,330		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD				
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Triple Combo, MUD, CBL						23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)				
24. CASING AND LINER RECORD (Report all strings set in well)										
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS		SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Con	65#	0	80	80				0	
12 1/4	8 5/8 J-55	36#	0	1,234	1,224	Lead	160	90		
						Tail	305	78		
7 7/8	5 1/2 I-80	17#	0	9,434	9,424	Tuned	570	238	2608	
						ECON	730	189		
25. TUBING RECORD										
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)		
2 7/8	8,177									
26. PRODUCING INTERVALS					27. PERFORATION RECORD					
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS		
(A) Green River	7,985	9,245			7,985 9,245	.38	168	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>	
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>	
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>	
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>	
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.										
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL								
7985-9245		Green River: See attached Stage 1-4								
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:		
<input checked="" type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____		<input checked="" type="checkbox"/> DIRECTIONAL SURVEY POW		

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED: 11/16/2014		TEST DATE: 11/20/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 243	GAS – MCF: 80	WATER – BBL: 198	PROD. METHOD: Flowing
CHOKE SIZE: 24/64	TBG. PRESS. 70	CSG. PRESS. 300	API GRAVITY 32.00	BTU – GAS 1	GAS/OIL RATIO 329	24 HR PRODUCTION RATES: →	OIL – BBL: 243	GAS – MCF: 80	WATER – BBL: 198	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	5,692
				Mahogany	6,833
				TGR3	7,978
				Douglas Creek	8,173
				Black Shale Facies	8,465
				Castle Peak	8,732
				Uteland Butte	8,946
				Wasatch	9,427
				TD	9,434

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 11/17/2014; first oil sales 11/19/2014.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
NAME (PLEASE PRINT) Christina HirtlerTITLE Permit Analyst

SIGNATURE _____

DATE 12/16/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

FD 5-30-2-2 Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u><i>Stage</i></u>	<u><i>bbls Slurry</i></u>	<u><i>lbs 20/40 Premium White</i></u>	<u><i>gal 15% HCl Acid</i></u>
1	4596	250,000	4,400
2	4250	250,000	3,900
3	4319	250,000	3,900
4	3927	252,280	3,400

*Depth intervals for frac information same as perforation record intervals.

COMPASS 5000.1 Build 70



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 30 T2S, R2E
Well: FD 5-30-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
Well FD 5-30-2-2
FD 5-30-2-2 @ 5086.0ustf (CAPSTAR 328)
FD 5-30-2-2 @ 5086.0ustf (CAPSTAR 328)
TVD Reference: True
MD Reference: Minimum Curvature
Survey Calculation Method: EDM 5000.1 Single User Db
Database:

Survey										
MD (ustft)	Inc (°)	Azi (azimuth) (°)	TVD (ustft)	V. Sec (ustft)	N/S (ustft)	E/W (ustft)	D Leg (°/100ustft)	Build (°/100ustft)	Turn (°/100ustft)	
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
205.0	0.36	31.01	205.0	0.0	0.6	0.3	0.18	0.18	0.18	0.00
297.0	0.20	69.78	297.0	0.2	0.9	0.6	0.26	-0.17	-0.17	42.14
388.0	0.17	70.93	388.0	0.4	1.0	0.9	0.03	-0.03	-0.03	1.26
480.0	0.26	113.17	480.0	0.7	0.9	1.2	0.19	0.10	0.10	45.91
570.0	0.18	139.05	570.0	1.0	0.7	1.5	0.14	-0.09	-0.09	28.76
685.0	0.22	114.49	685.0	1.4	0.5	1.8	0.08	0.03	0.03	-21.36
770.0	0.26	146.17	770.0	1.7	0.3	2.1	0.16	0.05	0.05	37.27
854.0	0.44	176.27	854.0	2.0	-0.2	2.2	0.30	0.21	0.21	35.83
938.0	0.62	175.26	938.0	2.5	-1.0	2.3	0.21	0.21	0.21	-1.20
1,022.0	0.75	241.53	1,022.0	2.4	-1.7	1.8	0.90	0.15	0.15	78.89
1,107.0	0.79	244.52	1,107.0	1.8	-2.2	0.8	0.07	0.05	0.05	3.52
1,166.0	0.83	246.28	1,166.0	1.2	-2.6	0.0	0.08	0.07	0.07	2.98
1,272.0	0.62	271.22	1,272.0	0.3	-2.9	-1.2	0.35	-0.20	-0.20	23.53
1,357.0	0.49	271.84	1,357.0	-0.5	-2.8	-2.1	0.15	-0.15	-0.15	0.73
1,441.0	0.31	246.72	1,441.0	-0.9	-2.9	-2.6	0.29	-0.21	-0.21	-29.90
1,525.0	0.40	93.45	1,525.0	-0.8	-3.0	-2.5	0.82	0.11	0.11	-182.46
1,610.0	1.50	59.92	1,609.9	0.0	-2.5	-1.3	1.40	1.29	1.29	-39.45
1,694.0	1.20	60.00	1,693.9	1.1	-1.5	0.4	0.36	-0.36	-0.36	0.10
1,779.0	1.02	57.54	1,778.9	1.9	-0.6	1.8	0.22	-0.21	-0.21	-2.89
1,863.0	1.81	33.26	1,862.9	2.4	0.9	3.2	1.16	0.94	0.94	-28.90
1,947.0	1.68	31.54	1,946.8	2.6	3.0	4.6	0.17	-0.15	-0.15	-2.05
2,032.0	1.41	23.34	2,031.8	2.6	5.1	5.6	0.41	-0.32	-0.32	-9.65
2,116.0	1.19	25.72	2,115.8	2.5	6.8	6.4	0.27	-0.26	-0.26	2.83
2,200.0	1.10	24.22	2,199.8	2.4	8.3	7.1	0.11	-0.11	-0.11	-1.79
2,285.0	0.88	20.04	2,284.8	2.2	9.7	7.7	0.27	-0.26	-0.26	-4.92
2,369.0	0.71	4.56	2,368.7	1.9	10.8	8.0	0.32	-0.20	-0.20	-18.43



Payzone Directional
End of Well Report



Sundry Number: 58962 API Well Number: 43047542960000

Company: Bill Barrett Corporation		Local Co-ordinate Reference: Well FD 5-30-2-2							
Project: Fort Duchesne		TVD Reference: FD 5-30-2-2 @ 5086.0usft (CAPSTAR 328)							
Site: SECTION 30 T2S, R2E		MD Reference: FD 5-30-2-2 @ 5086.0usft (CAPSTAR 328)							
Well: FD 5-30-2-2		North Reference: True							
Wellbore: Wellbore #1		Survey Calculation Method: Minimum Curvature							
Design: Actual		Database: EDM 5000.1 Single User Db							
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,454.0	1.68	11.93	2,453.7	1.4	12.5	8.3	1.15	1.14	8.67
2,538.0	1.50	13.12	2,537.7	0.8	14.8	8.8	0.22	-0.21	1.42
2,622.0	1.41	9.54	2,621.7	0.2	16.9	9.2	0.15	-0.11	-4.26
2,707.0	1.28	14.44	2,706.6	-0.4	18.9	9.6	0.20	-0.15	5.76
2,791.0	1.28	18.85	2,790.6	-0.8	20.6	10.1	0.12	0.00	5.25
2,875.0	1.02	11.45	2,874.6	-1.1	22.3	10.6	0.36	-0.31	-8.81
2,960.0	0.88	6.06	2,959.6	-1.6	23.7	10.8	0.20	-0.16	-6.34
3,044.0	1.90	17.83	3,043.6	-2.1	25.6	11.3	1.25	1.21	14.01
3,128.0	1.68	15.15	3,127.5	-2.6	28.1	12.0	0.28	-0.26	-3.19
3,213.0	1.28	14.22	3,212.5	-3.1	30.3	12.6	0.47	-0.47	-1.09
3,297.0	1.19	18.94	3,296.5	-3.5	32.0	13.1	0.16	-0.11	5.62
3,381.0	1.10	23.43	3,380.5	-3.7	33.6	13.7	0.15	-0.11	5.35
3,465.0	0.80	19.02	3,464.5	-3.8	34.9	14.2	0.37	-0.36	-5.25
3,550.0	0.80	5.35	3,549.4	-4.2	36.0	14.5	0.22	0.00	-16.08
3,634.0	0.71	6.45	3,633.4	-4.6	37.1	14.6	0.11	-0.11	1.31
3,719.0	1.19	27.22	3,718.4	-4.8	38.4	15.1	0.69	0.56	24.44
3,803.0	0.88	36.65	3,802.4	-4.7	39.7	15.8	0.42	-0.37	11.23
3,887.0	0.71	36.65	3,886.4	-4.5	40.6	16.5	0.20	-0.20	0.00
3,972.0	0.49	33.43	3,971.4	-4.4	41.4	17.1	0.26	-0.26	-3.79
4,056.0	1.28	349.62	4,055.4	-5.0	42.6	17.1	1.17	0.94	-52.15
4,140.0	1.10	349.53	4,139.4	-6.1	44.3	16.8	0.21	-0.21	-0.11
4,225.0	0.88	343.85	4,224.4	-7.0	45.7	16.4	0.28	-0.26	-6.68
4,309.0	0.88	351.16	4,308.3	-7.9	47.0	16.2	0.13	0.00	8.70
4,393.0	0.80	354.02	4,392.3	-8.6	48.2	16.0	0.11	-0.10	3.40
4,478.0	0.71	1.12	4,477.3	-9.1	49.3	15.9	0.15	-0.11	8.35
4,562.0	0.31	340.85	4,561.3	-9.5	50.1	15.9	0.52	-0.48	-24.13
4,646.0	0.31	306.52	4,645.3	-9.9	50.4	15.6	0.22	0.00	-40.87



Payzone Directional
End of Well Report



Sundry Number: 58962 API Well Number: 43047542960000

Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 5-30-2-2
Project:	Fort Duchesne	TVD Reference:	FD 5-30-2-2 @ 5086.0ustf (CAPSTAR 328)
Site:	SECTION 30 T2S, R2E	MD Reference:	FD 5-30-2-2 @ 5086.0ustf (CAPSTAR 328)
Well:	FD 5-30-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey	MD (ustf)	Inc (°)	Azi (azimuth) (°)	TVD (ustf)	V. Sec (ustf)	N/S (ustf)	E/W (ustf)	DLeg (°/100ustf)	Build (°/100ustf)	Turn (°/100ustf)
	4,731.0	0.40	258.93	4,730.3	-10.4	50.5	15.1	0.35	0.11	-55.99
	4,815.0	0.71	229.62	4,814.3	-10.8	50.1	14.5	0.49	0.37	-34.89
	4,900.0	0.22	222.44	4,899.3	-11.0	49.6	14.0	0.58	-0.58	-8.45
	4,984.0	0.40	229.36	4,983.3	-11.2	49.3	13.6	0.22	0.21	8.24
	5,068.0	0.80	215.04	5,067.3	-11.4	48.7	13.1	0.50	0.48	-17.05
	5,153.0	1.02	212.83	5,152.3	-11.5	47.5	12.3	0.26	0.26	-2.60
	5,237.0	1.02	195.43	5,236.3	-11.4	46.2	11.7	0.37	0.00	-20.71
	5,321.0	1.28	180.44	5,320.3	-10.8	44.5	11.5	0.47	0.31	-17.85
	5,406.0	1.28	173.83	5,405.3	-9.8	42.6	11.6	0.17	0.00	-7.78
	5,490.0	0.71	177.05	5,489.2	-9.0	41.2	11.7	0.68	-0.68	3.83
	5,574.0	0.88	167.14	5,573.2	-8.3	40.0	11.9	0.26	0.20	-11.80
	5,658.0	1.10	164.84	5,657.2	-7.4	38.6	12.2	0.27	0.26	-2.74
	5,743.0	1.28	157.75	5,742.2	-6.1	37.0	12.8	0.27	0.21	-8.34
	5,827.0	1.41	153.25	5,826.2	-4.5	35.2	13.6	0.20	0.15	-5.36
	5,901.0	1.68	127.74	5,900.2	-2.7	33.7	14.9	0.99	0.36	-34.47
	5,985.0	1.81	137.74	5,984.1	-0.2	32.0	16.8	0.39	0.15	11.90
	6,069.0	1.50	216.45	6,068.1	0.9	30.1	17.0	2.51	-0.37	93.70
	6,154.0	1.99	223.85	6,153.0	0.3	28.1	15.3	0.63	0.58	8.71
	6,238.0	1.59	220.63	6,237.0	-0.4	26.2	13.6	0.49	-0.48	-3.83
	6,323.0	1.10	226.76	6,322.0	-0.9	24.7	12.2	0.60	-0.58	7.21
	6,407.0	0.31	160.26	6,406.0	-1.0	24.0	11.7	1.21	-0.94	-79.17
	6,491.0	0.80	169.82	6,490.0	-0.4	23.2	11.9	0.59	0.58	11.38
	6,575.0	1.28	130.43	6,574.0	0.8	22.0	12.7	0.99	0.57	-46.89
	6,660.0	1.41	152.73	6,658.9	2.6	20.5	13.9	0.63	0.15	26.24
	6,744.0	1.50	151.93	6,742.9	4.4	18.6	14.9	0.11	0.11	-0.95
	6,829.0	1.41	149.56	6,827.9	6.2	16.7	15.9	0.13	-0.11	-2.79
	6,913.0	1.19	158.23	6,911.9	7.8	15.0	16.8	0.35	-0.26	10.32



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 30 T2S, R2E
Well: FD 5-30-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well FD 5-30-2-2
FD 5-30-2-2 @ 5086.0ust (CAPSTAR 328)
FD 5-30-2-2 @ 5086.0ust (CAPSTAR 328)
True
Minimum Curvature
EDM 5000.1 Single User Db

Survey	MD (ustft)	Inc (°)	Azi (azimuth) (°)	TVD (ustft)	V. Sec (ustft)	N/S (ustft)	E/W (ustft)	D Leg (°/100ustft)	Build (°/100ustft)	Turn (°/100ustft)
	6,997.0	0.71	186.66	6,995.8	8.6	13.7	17.0	0.78	-0.57	33.85
	7,082.0	0.88	176.74	7,080.8	9.1	12.5	17.0	0.26	0.20	-11.67
	7,166.0	1.19	165.33	7,164.8	10.1	11.0	17.3	0.44	0.37	-13.58
	7,250.0	1.41	160.53	7,248.8	11.4	9.2	17.8	0.29	0.26	-5.71
	7,334.0	1.19	154.05	7,332.8	12.9	7.4	18.6	0.31	-0.26	-7.71
	7,419.0	0.62	138.23	7,417.8	14.0	6.3	19.3	0.73	-0.67	-18.61
	7,503.0	0.62	106.85	7,501.8	14.9	5.8	20.0	0.40	0.00	-37.36
	7,587.0	0.71	105.04	7,585.8	15.9	5.5	20.9	0.11	0.11	-2.15
	7,672.0	0.80	116.94	7,670.8	17.0	5.1	22.0	0.21	0.11	14.00
	7,756.0	0.80	130.34	7,754.7	18.1	4.5	22.9	0.22	0.00	15.95
	7,841.0	0.88	135.05	7,839.7	19.3	3.6	23.9	0.12	0.09	5.54
	7,925.0	1.02	118.44	7,923.7	20.7	2.8	25.0	0.37	0.17	-19.77
	8,009.0	1.12	101.65	8,007.7	22.2	2.3	26.4	0.39	0.12	-19.99
	8,094.0	1.19	108.75	8,092.7	23.9	1.9	28.1	0.19	0.08	8.35
	8,178.0	1.19	112.62	8,176.7	25.6	1.2	29.7	0.10	0.00	4.61
	8,262.0	1.19	129.24	8,260.7	27.4	0.4	31.2	0.41	0.00	19.79
	8,347.0	1.28	137.92	8,345.6	29.1	-0.9	32.5	0.24	0.11	10.21
	8,431.0	1.50	128.53	8,429.6	31.1	-2.3	34.0	0.38	0.26	-11.18
	8,516.0	1.41	125.76	8,514.6	33.2	-3.6	35.7	0.13	-0.11	-3.26
	8,600.0	1.41	129.33	8,598.6	35.2	-4.9	37.4	0.10	0.00	4.25
	8,684.0	1.41	136.02	8,682.5	37.2	-6.2	38.9	0.20	0.00	7.96
	8,769.0	1.50	141.53	8,767.5	39.3	-7.9	40.3	0.20	0.11	6.48
	8,853.0	1.50	153.34	8,851.5	41.2	-9.7	41.5	0.37	0.00	14.06
	8,937.0	1.50	160.35	8,935.5	42.9	-11.7	42.3	0.22	0.00	8.35
	9,022.0	1.59	162.33	9,020.4	44.5	-13.9	43.1	0.12	0.11	2.33
	9,107.0	1.59	164.54	9,105.4	46.2	-16.2	43.7	0.07	0.00	2.60
	9,191.0	1.59	163.43	9,189.4	47.8	-18.4	44.4	0.04	0.00	-1.32



Payzone Directional
End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 30 T2S, R2E
Well: FD 5-30-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well FD 5-30-2-2
FD 5-30-2-2 @ 5086.0usft (CAPSTAR 328)
FD 5-30-2-2 @ 5086.0usft (CAPSTAR 328)
True
Minimum Curvature
EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
9,276.0	1.50	161.14	9,274.3	49.5	-20.6	45.1	0.13	-0.11	-2.69
9,378.0	1.59	163.92	9,376.3	51.4	-23.2	45.9	0.11	0.09	2.73
9,434.0	1.59	163.92	9,432.3	52.5	-24.7	46.3	0.00	0.00	0.00

Checked By: _____

Approved By: _____

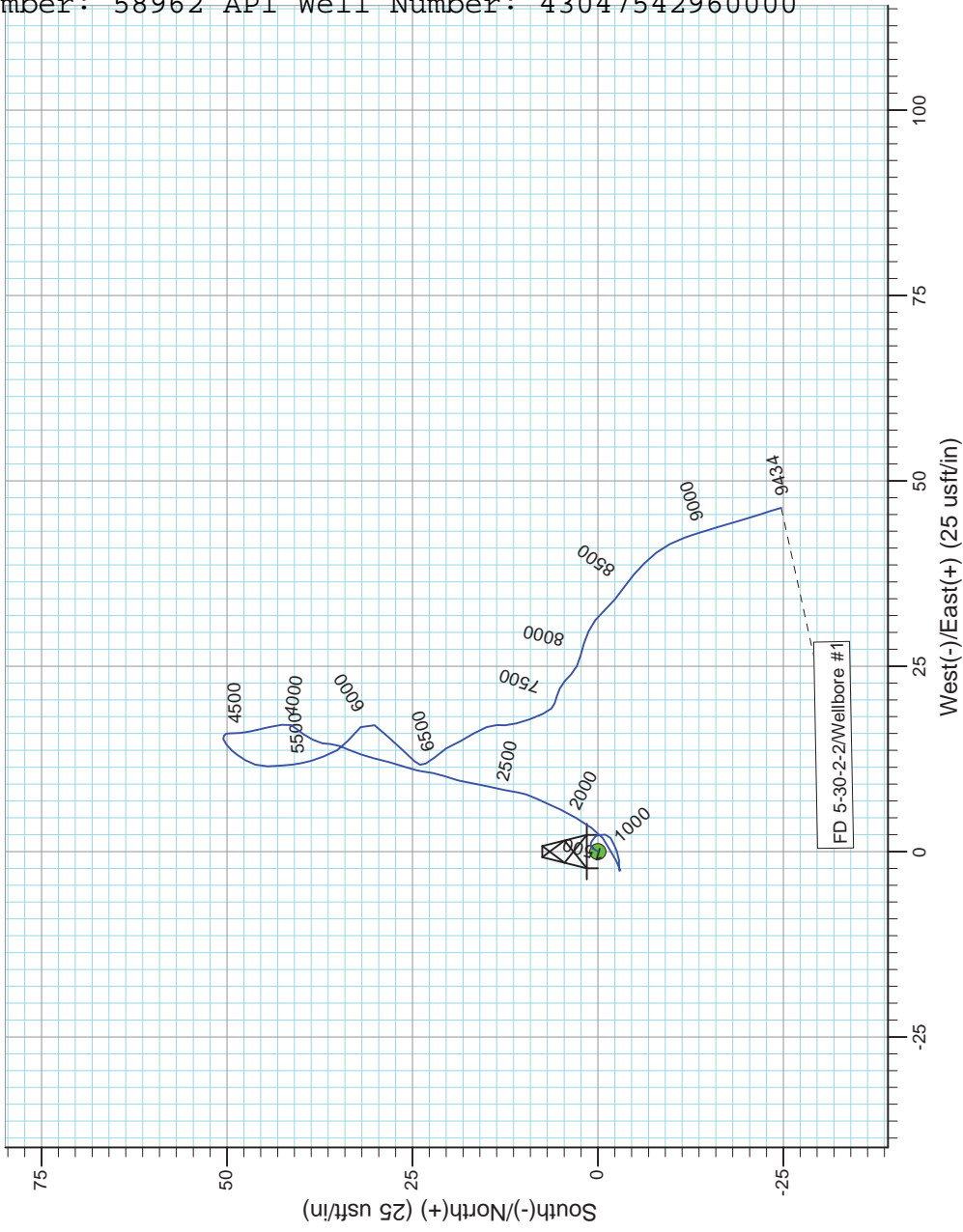
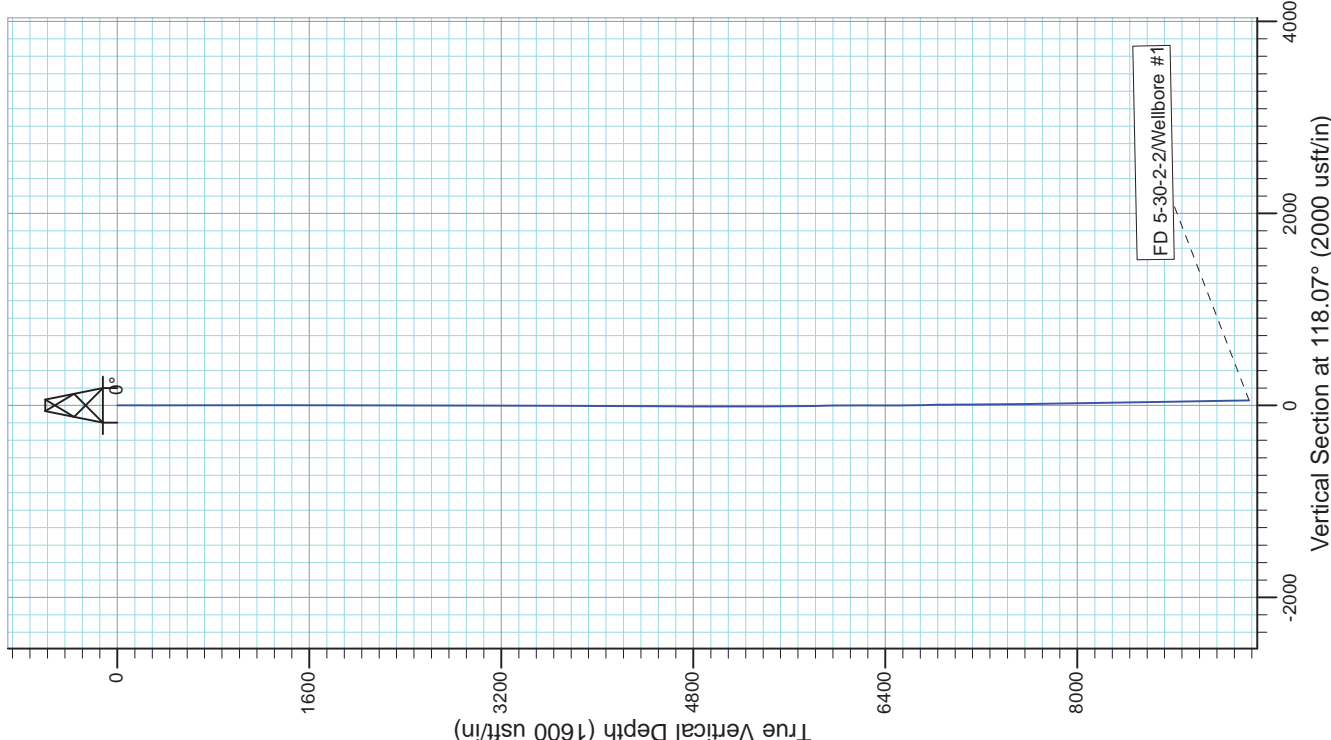
Date: _____

RECEIVED: Dec. 16, 2014



Project: Fort Duchesne
Site: SECTION 30 T2S, R2E
Well: FD 5-30-2-2
Wellbore: Wellbore #1
Design: Actual

Azimuths to True North
Magnetic North: 10.82°
Magnetic Field
Strength: 52109.3nT
Dip Angle: 65.95°
Date: 10/3/2014
Model: IGRF2010



Design: Actual (FD 5-30-2-2 Wellbore #1)

Created By: *Matthew Linton*

Date:

8:40, October 29 2014

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-30-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047542960000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1886 FNL 0686 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 30 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Site security diagram"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/12/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Site security diagram attached

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 12, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 1/12/2015	

Sundry Number: 59756 API Well Number: 43047542960000

BILL BARRETT CORPORATION

FEE

FD 5-30-2-2

SW¼ NW¼ SEC 30,T2S, R2E,

Lease # FEE

API # 43-047-54296

Utah Co. Utah

Site Security Plan Located at
Bill Barrett Corporation
Roosevelt Office
ROUTE 3 BOX 3110
1820 W HIGHWAY 40
ROOSEVELT, UT 84066

1 - 4" LOAD LINE

Production Phase – sealed closed

Sales Phase- open to load Production bought

2 – 3" OIL LINES

Production Phase – open

Sales Phase – sealed close

3 – 4" DRAIN

Production Phase – sealed closed

Sales Phase – sealed closed

Drain water – open

4 – 4" UPPER EQUALIZER

Production Phase – open

Sales Phase – sealed close

5 – BYPASS

6 – 3" WATER LINES

Production Phase – open

No Sales Phase

7- 2" RECYCLE

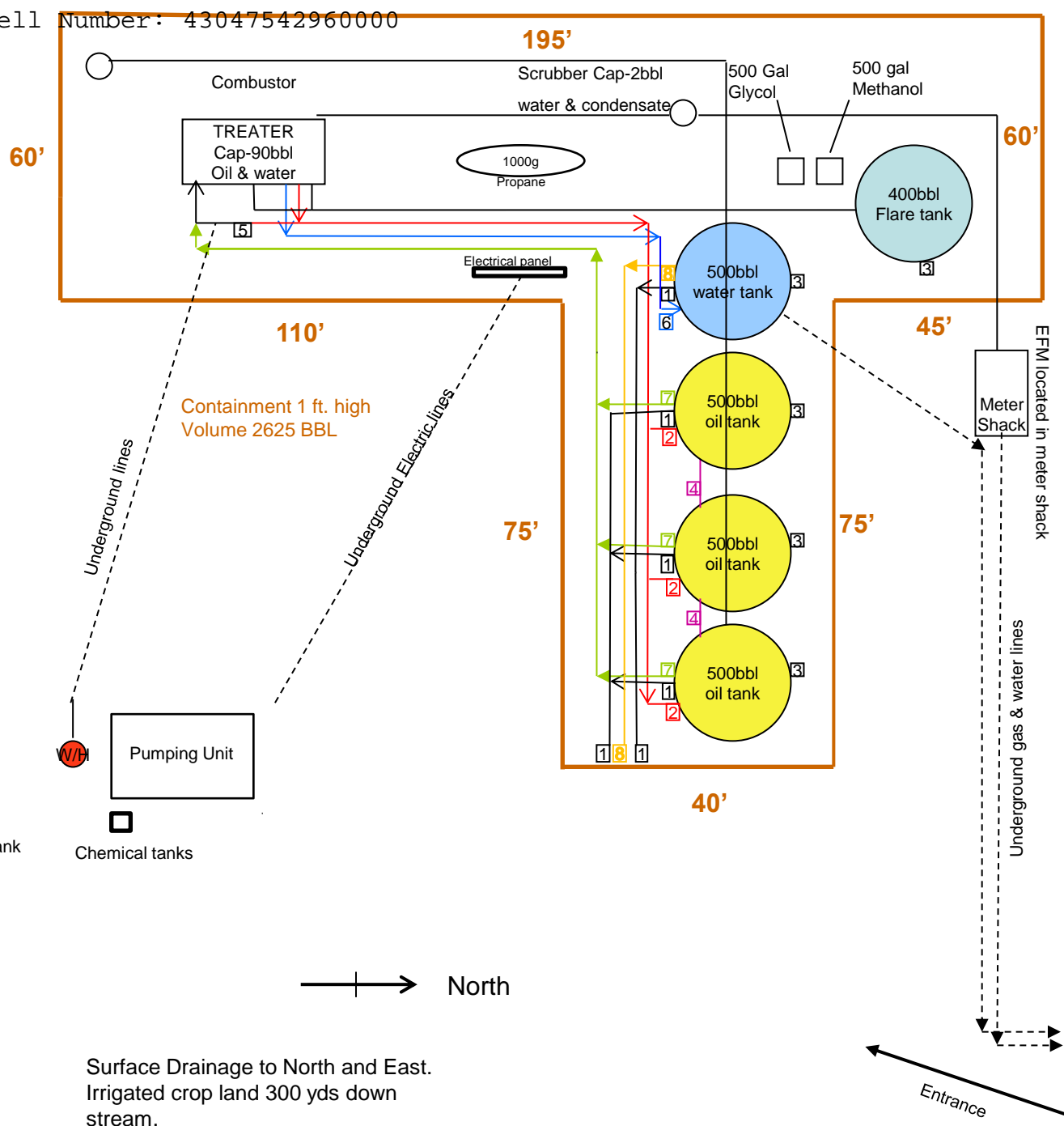
Production – open

Sales – sealed closed

8- 2" WATER TANK SKIM

Not sealed

- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank
for emergency pressure relief of treater



Surface Drainage to North and East.
Irrigated crop land 300 yds down
stream.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/30/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="pit closure extension request"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC is requesting permission to leave this pit open until 9/30/2015 due to inclement weather conditions. BBC will continue with pit closure in the summer, when more favorable weather conditions allow. A follow up sundry will be submitted with the date of pit closure.

Approved by the
March 06, 2015
Oil, Gas and Mining

Date: _____

By: 

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 1/19/2015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
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		STATE: UTAH

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/3/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE PIT WAS CLOSED AND INTERIM RECLAMATION ON THIS PAD WAS
DONE ON 10/3/2015

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 02, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 10/13/2015